

# Self Driving

March 19, 2019

```
In [1]: import tensorflow as tf
import scipy
```

## 0.0.1 Model 1

model With arctan function and 80-20 split

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In [13]: #80-20 split
import scipy.misc
import random

xs = []
ys = []

#points to the end of the last batch
train_batch_pointer = 0
val_batch_pointer = 0

#read data.txt
with open("driving_dataset/data.txt") as f:
    for line in f:
        xs.append("driving_dataset/" + line.split()[0])
        #the paper by Nvidia uses the inverse of the turning radius,
        #but steering wheel angle is proportional to the inverse of turning radius
        #so the steering wheel angle in radians is used as the output
        ys.append(float(line.split()[1]) * scipy.pi / 180)

#get number of images
num_images = len(xs)

train_xs = xs[:int(len(xs) * 0.8)]
train_ys = ys[:int(len(xs) * 0.8)]

val_xs = xs[-int(len(xs) * 0.2):]
val_ys = ys[-int(len(xs) * 0.2):]
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num_train_images = len(train_xs)
num_val_images = len(val_xs)

def LoadTrainBatch(batch_size):
    global train_batch_pointer
    x_out = []
    y_out = []
    for i in range(0, batch_size):
        x_out.append(scipy.misc.imresize(scipy.misc.imread(train_xs[(train_batch_pointer + i) % num_train_images]),
        y_out.append([train_ys[(train_batch_pointer + i) % num_train_images]])
    train_batch_pointer += batch_size
    return x_out, y_out

def LoadValBatch(batch_size):
    global val_batch_pointer
    x_out = []
    y_out = []
    for i in range(0, batch_size):
        x_out.append(scipy.misc.imresize(scipy.misc.imread(val_xs[(val_batch_pointer + i) % num_val_images]),
        y_out.append([val_ys[(val_batch_pointer + i) % num_val_images]])
    val_batch_pointer += batch_size
    return x_out, y_out

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In [14]: # %load model.py
import tensorflow as tf
import scipy
class model():
    def weight_variable(shape):
        initial = tf.truncated_normal(shape, stddev=0.1)
        return tf.Variable(initial)

    def bias_variable(shape):
        initial = tf.constant(0.1, shape=shape)
        return tf.Variable(initial)

    def conv2d(x, W, stride):
        return tf.nn.conv2d(x, W, strides=[1, stride, stride, 1], padding='VALID')

x = tf.placeholder(tf.float32, shape=[None, 66, 200, 3])
y_ = tf.placeholder(tf.float32, shape=[None, 1])

x_image = x

#first convolutional layer
W_conv1 = weight_variable([5, 5, 3, 24])
b_conv1 = bias_variable([24])

h_conv1 = tf.nn.relu(conv2d(x_image, W_conv1, 2) + b_conv1)

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#second convolutional layer
W_conv2 = weight_variable([5, 5, 24, 36])
b_conv2 = bias_variable([36])

h_conv2 = tf.nn.relu(conv2d(h_conv1, W_conv2, 2) + b_conv2)

#third convolutional layer
W_conv3 = weight_variable([5, 5, 36, 48])
b_conv3 = bias_variable([48])

h_conv3 = tf.nn.relu(conv2d(h_conv2, W_conv3, 2) + b_conv3)

#fourth convolutional layer
W_conv4 = weight_variable([3, 3, 48, 64])
b_conv4 = bias_variable([64])

h_conv4 = tf.nn.relu(conv2d(h_conv3, W_conv4, 1) + b_conv4)

#fifth convolutional layer
W_conv5 = weight_variable([3, 3, 64, 64])
b_conv5 = bias_variable([64])

h_conv5 = tf.nn.relu(conv2d(h_conv4, W_conv5, 1) + b_conv5)

#FCL 1
W_fc1 = weight_variable([1152, 1164])
b_fc1 = bias_variable([1164])

h_conv5_flat = tf.reshape(h_conv5, [-1, 1152])
h_fc1 = tf.nn.relu(tf.matmul(h_conv5_flat, W_fc1) + b_fc1)

keep_prob = tf.placeholder(tf.float32)
h_fc1_drop = tf.nn.dropout(h_fc1, keep_prob)

#FCL 2
W_fc2 = weight_variable([1164, 100])
b_fc2 = bias_variable([100])

h_fc2 = tf.nn.relu(tf.matmul(h_fc1_drop, W_fc2) + b_fc2)

h_fc2_drop = tf.nn.dropout(h_fc2, keep_prob)

#FCL 3
W_fc3 = weight_variable([100, 50])
b_fc3 = bias_variable([50])

h_fc3 = tf.nn.relu(tf.matmul(h_fc2_drop, W_fc3) + b_fc3)

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h_fc3_drop = tf.nn.dropout(h_fc3, keep_prob)

#FCL 3
W_fc4 = weight_variable([50, 10])
b_fc4 = bias_variable([10])

h_fc4 = tf.nn.relu(tf.matmul(h_fc3_drop, W_fc4) + b_fc4)

h_fc4_drop = tf.nn.dropout(h_fc4, keep_prob)

#Output
W_fc5 = weight_variable([10, 1])
b_fc5 = bias_variable([1])

y = tf.multiply(tf.atan(tf.matmul(h_fc4_drop, W_fc5) + b_fc5), 2) #scale the atan

```

```

In [4]: import os
import tensorflow as tf
from tensorflow.core.protobuf import saver_pb2
#import driving_data
#import model

LOGDIR = './saveassign'

sess = tf.InteractiveSession()

L2NormConst = 0.001

train_vars = tf.trainable_variables()

loss = tf.reduce_mean(tf.square(tf.subtract(model.y_, model.y))) + tf.add_n([tf.nn.l2_
train_step = tf.train.AdamOptimizer(1e-4).minimize(loss)
sess.run(tf.initialize_all_variables())

# create a summary to monitor cost tensor
tf.summary.scalar("loss", loss)
# merge all summaries into a single op
merged_summary_op = tf.summary.merge_all()

saver = tf.train.Saver(write_version = saver_pb2.SaverDef.V2)

# op to write logs to Tensorboard
logs_path = './logs'
summary_writer = tf.summary.FileWriter(logs_path, graph=tf.get_default_graph())

epochs = 40
batch_size = 100

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# train over the dataset about 30 times
for epoch in range(epochs):
    for i in range(int(num_images/batch_size)):
        xs, ys = LoadTrainBatch(batch_size)
        train_step.run(feed_dict={model.x: xs, model.y: ys, model.keep_prob: 0.8})
        if i % 10 == 0:
            xs, ys = LoadValBatch(batch_size)
            loss_value = loss.eval(feed_dict={model.x:xs,model.y: ys, model.keep_prob: 0.8})
            print("Epoch: %d, Step: %d, Loss: %g" % (epoch, epoch * batch_size + i, loss_value))

# write logs at every iteration
summary = merged_summary_op.eval(feed_dict={x:xs, y: ys, keep_prob: 1.0})
summary_writer.add_summary(summary, epoch * num_images/batch_size + i)

if i % batch_size == 0:
    if not os.path.exists(LOGDIR):
        os.makedirs(LOGDIR)
    checkpoint_path = os.path.join(LOGDIR, "model.ckpt")
    filename = saver.save(sess, checkpoint_path)
    print("Model saved in file: %s" % filename)

print("Run the command line:\n" \
      "--> tensorboard --logdir=./logs " \
      "\nThen open http://0.0.0.0:6006/ into your web browser")

```

WARNING:tensorflow:From c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\tensorflow\python\ops\gen\_ops.py:17: tf.nn.conv2d is deprecated and will be removed in a future version. Use tf.nn.conv2d\_v2 instead.

c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel\_launcher.py:3: DeprecationWarning: `imread` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0. Use ``imageio.imread`` instead.

c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel\_launcher.py:3: DeprecationWarning: `imresize` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0. Use ``skimage.transform.resize`` instead.

c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel\_launcher.py:4: DeprecationWarning: `imread` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0. Use ``imageio.imread`` instead.

c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel\_launcher.py:4: DeprecationWarning: `imresize` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0. Use ``skimage.transform.resize`` instead.

```

Epoch: 0, Step: 0, Loss: 6.34619
Epoch: 0, Step: 10, Loss: 6.29965
Epoch: 0, Step: 20, Loss: 6.1404

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Epoch: 0, Step: 30, Loss: 6.02644  
Epoch: 0, Step: 40, Loss: 5.9453  
Epoch: 0, Step: 50, Loss: 5.95816  
Epoch: 0, Step: 60, Loss: 6.08395  
Epoch: 0, Step: 70, Loss: 6.94336  
Epoch: 0, Step: 80, Loss: 7.60298  
Epoch: 0, Step: 90, Loss: 6.00223  
Epoch: 0, Step: 100, Loss: 5.68045  
Epoch: 0, Step: 110, Loss: 5.60292  
Epoch: 0, Step: 120, Loss: 5.54928  
Epoch: 0, Step: 130, Loss: 5.53083  
Epoch: 0, Step: 140, Loss: 5.50579  
Epoch: 0, Step: 150, Loss: 5.53339  
Epoch: 0, Step: 160, Loss: 5.44095  
Epoch: 0, Step: 170, Loss: 5.3281  
Epoch: 0, Step: 180, Loss: 5.37568  
Epoch: 0, Step: 190, Loss: 5.57699  
Epoch: 0, Step: 200, Loss: 5.22259  
Epoch: 0, Step: 210, Loss: 5.26255  
Epoch: 0, Step: 220, Loss: 5.09484  
Epoch: 0, Step: 230, Loss: 5.05335  
Epoch: 0, Step: 240, Loss: 5.01248  
Epoch: 0, Step: 250, Loss: 4.97081  
Epoch: 0, Step: 260, Loss: 4.96164  
Epoch: 0, Step: 270, Loss: 9.45234  
Epoch: 0, Step: 280, Loss: 5.65882  
Epoch: 0, Step: 290, Loss: 4.8195  
Epoch: 0, Step: 300, Loss: 4.77508  
Epoch: 0, Step: 310, Loss: 4.73632  
Epoch: 0, Step: 320, Loss: 4.70703  
Epoch: 0, Step: 330, Loss: 4.66731  
Epoch: 0, Step: 340, Loss: 4.64908  
Epoch: 0, Step: 350, Loss: 4.61513  
Epoch: 0, Step: 360, Loss: 4.58653  
Epoch: 0, Step: 370, Loss: 4.55162  
Epoch: 0, Step: 380, Loss: 4.54351  
Epoch: 0, Step: 390, Loss: 4.47265  
Epoch: 0, Step: 400, Loss: 4.43316  
Epoch: 0, Step: 410, Loss: 4.40599  
Epoch: 0, Step: 420, Loss: 4.40771  
Epoch: 0, Step: 430, Loss: 4.3647  
Epoch: 0, Step: 440, Loss: 4.34682  
Epoch: 0, Step: 450, Loss: 4.30714  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 1, Step: 100, Loss: 4.29243  
Epoch: 1, Step: 110, Loss: 4.27014  
Epoch: 1, Step: 120, Loss: 4.21865  
Epoch: 1, Step: 130, Loss: 4.1841

Epoch: 1, Step: 140, Loss: 4.16281  
Epoch: 1, Step: 150, Loss: 4.13131  
Epoch: 1, Step: 160, Loss: 4.0979  
Epoch: 1, Step: 170, Loss: 4.06507  
Epoch: 1, Step: 180, Loss: 4.03668  
Epoch: 1, Step: 190, Loss: 4.01173  
Epoch: 1, Step: 200, Loss: 3.99423  
Epoch: 1, Step: 210, Loss: 4.031  
Epoch: 1, Step: 220, Loss: 4.27256  
Epoch: 1, Step: 230, Loss: 9.34573  
Epoch: 1, Step: 240, Loss: 3.90256  
Epoch: 1, Step: 250, Loss: 3.85446  
Epoch: 1, Step: 260, Loss: 3.84558  
Epoch: 1, Step: 270, Loss: 3.86635  
Epoch: 1, Step: 280, Loss: 3.83804  
Epoch: 1, Step: 290, Loss: 3.75675  
Epoch: 1, Step: 300, Loss: 3.89484  
Epoch: 1, Step: 310, Loss: 3.7472  
Epoch: 1, Step: 320, Loss: 3.67832  
Epoch: 1, Step: 330, Loss: 3.69376  
Epoch: 1, Step: 340, Loss: 3.64701  
Epoch: 1, Step: 350, Loss: 3.61551  
Epoch: 1, Step: 360, Loss: 3.604  
Epoch: 1, Step: 370, Loss: 3.60883  
Epoch: 1, Step: 380, Loss: 3.64474  
Epoch: 1, Step: 390, Loss: 3.82488  
Epoch: 1, Step: 400, Loss: 3.56975  
Epoch: 1, Step: 410, Loss: 3.51172  
Epoch: 1, Step: 420, Loss: 3.46005  
Epoch: 1, Step: 430, Loss: 3.43995  
Epoch: 1, Step: 440, Loss: 3.45924  
Epoch: 1, Step: 450, Loss: 3.40054  
Epoch: 1, Step: 460, Loss: 3.38094  
Epoch: 1, Step: 470, Loss: 3.36205  
Epoch: 1, Step: 480, Loss: 3.34469  
Epoch: 1, Step: 490, Loss: 3.3416  
Epoch: 1, Step: 500, Loss: 3.31831  
Epoch: 1, Step: 510, Loss: 3.30066  
Epoch: 1, Step: 520, Loss: 3.27456  
Epoch: 1, Step: 530, Loss: 3.30834  
Epoch: 1, Step: 540, Loss: 3.25178  
Epoch: 1, Step: 550, Loss: 3.57523  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 2, Step: 200, Loss: 3.75667  
Epoch: 2, Step: 210, Loss: 3.37639  
Epoch: 2, Step: 220, Loss: 3.20619  
Epoch: 2, Step: 230, Loss: 3.17996  
Epoch: 2, Step: 240, Loss: 3.16078

Epoch: 2, Step: 250, Loss: 3.23869  
Epoch: 2, Step: 260, Loss: 4.07667  
Epoch: 2, Step: 270, Loss: 4.33241  
Epoch: 2, Step: 280, Loss: 3.12883  
Epoch: 2, Step: 290, Loss: 3.15848  
Epoch: 2, Step: 300, Loss: 3.04283  
Epoch: 2, Step: 310, Loss: 3.05027  
Epoch: 2, Step: 320, Loss: 3.02251  
Epoch: 2, Step: 330, Loss: 3.00321  
Epoch: 2, Step: 340, Loss: 2.99712  
Epoch: 2, Step: 350, Loss: 3.01709  
Epoch: 2, Step: 360, Loss: 2.96611  
Epoch: 2, Step: 370, Loss: 2.9874  
Epoch: 2, Step: 380, Loss: 3.31732  
Epoch: 2, Step: 390, Loss: 3.06687  
Epoch: 2, Step: 400, Loss: 2.95306  
Epoch: 2, Step: 410, Loss: 2.87719  
Epoch: 2, Step: 420, Loss: 2.85773  
Epoch: 2, Step: 430, Loss: 2.84502  
Epoch: 2, Step: 440, Loss: 2.83021  
Epoch: 2, Step: 450, Loss: 2.88678  
Epoch: 2, Step: 460, Loss: 8.56125  
Epoch: 2, Step: 470, Loss: 2.98486  
Epoch: 2, Step: 480, Loss: 2.78724  
Epoch: 2, Step: 490, Loss: 2.76793  
Epoch: 2, Step: 500, Loss: 2.76811  
Epoch: 2, Step: 510, Loss: 2.7461  
Epoch: 2, Step: 520, Loss: 2.72959  
Epoch: 2, Step: 530, Loss: 2.73344  
Epoch: 2, Step: 540, Loss: 2.70452  
Epoch: 2, Step: 550, Loss: 2.68718  
Epoch: 2, Step: 560, Loss: 2.68426  
Epoch: 2, Step: 570, Loss: 2.67853  
Epoch: 2, Step: 580, Loss: 2.65449  
Epoch: 2, Step: 590, Loss: 2.65415  
Epoch: 2, Step: 600, Loss: 2.63405  
Epoch: 2, Step: 610, Loss: 2.61869  
Epoch: 2, Step: 620, Loss: 2.60308  
Epoch: 2, Step: 630, Loss: 2.59779  
Epoch: 2, Step: 640, Loss: 2.57999  
Epoch: 2, Step: 650, Loss: 2.57032  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 3, Step: 300, Loss: 2.57117  
Epoch: 3, Step: 310, Loss: 2.56979  
Epoch: 3, Step: 320, Loss: 2.57899  
Epoch: 3, Step: 330, Loss: 2.56086  
Epoch: 3, Step: 340, Loss: 2.54181  
Epoch: 3, Step: 350, Loss: 2.52909



Epoch: 3, Step: 360, Loss: 2.51401  
Epoch: 3, Step: 370, Loss: 2.50573  
Epoch: 3, Step: 380, Loss: 2.53376  
Epoch: 3, Step: 390, Loss: 2.56584  
Epoch: 3, Step: 400, Loss: 2.67256  
Epoch: 3, Step: 410, Loss: 4.69664  
Epoch: 3, Step: 420, Loss: 6.61032  
Epoch: 3, Step: 430, Loss: 2.43593  
Epoch: 3, Step: 440, Loss: 2.43257  
Epoch: 3, Step: 450, Loss: 2.40698  
Epoch: 3, Step: 460, Loss: 2.39607  
Epoch: 3, Step: 470, Loss: 2.39311  
Epoch: 3, Step: 480, Loss: 2.42053  
Epoch: 3, Step: 490, Loss: 2.56372  
Epoch: 3, Step: 500, Loss: 2.36035  
Epoch: 3, Step: 510, Loss: 2.34625  
Epoch: 3, Step: 520, Loss: 2.37169  
Epoch: 3, Step: 530, Loss: 2.32498  
Epoch: 3, Step: 540, Loss: 2.33332  
Epoch: 3, Step: 550, Loss: 2.34652  
Epoch: 3, Step: 560, Loss: 2.37211  
Epoch: 3, Step: 570, Loss: 2.36938  
Epoch: 3, Step: 580, Loss: 2.44865  
Epoch: 3, Step: 590, Loss: 2.29569  
Epoch: 3, Step: 600, Loss: 2.26567  
Epoch: 3, Step: 610, Loss: 2.24479  
Epoch: 3, Step: 620, Loss: 2.23493  
Epoch: 3, Step: 630, Loss: 2.22599  
Epoch: 3, Step: 640, Loss: 2.21576  
Epoch: 3, Step: 650, Loss: 2.21048  
Epoch: 3, Step: 660, Loss: 2.20695  
Epoch: 3, Step: 670, Loss: 2.19462  
Epoch: 3, Step: 680, Loss: 2.18404  
Epoch: 3, Step: 690, Loss: 2.17505  
Epoch: 3, Step: 700, Loss: 2.22912  
Epoch: 3, Step: 710, Loss: 2.17356  
Epoch: 3, Step: 720, Loss: 2.15118  
Epoch: 3, Step: 730, Loss: 2.21791  
Epoch: 3, Step: 740, Loss: 2.26831  
Epoch: 3, Step: 750, Loss: 2.28445  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 4, Step: 400, Loss: 2.21426  
Epoch: 4, Step: 410, Loss: 2.12212  
Epoch: 4, Step: 420, Loss: 2.37357  
Epoch: 4, Step: 430, Loss: 2.18099  
Epoch: 4, Step: 440, Loss: 2.20668  
Epoch: 4, Step: 450, Loss: 3.45012  
Epoch: 4, Step: 460, Loss: 3.28155

Epoch: 4, Step: 470, Loss: 2.11055  
Epoch: 4, Step: 480, Loss: 2.09185  
Epoch: 4, Step: 490, Loss: 2.0631  
Epoch: 4, Step: 500, Loss: 2.0619  
Epoch: 4, Step: 510, Loss: 2.04183  
Epoch: 4, Step: 520, Loss: 2.03836  
Epoch: 4, Step: 530, Loss: 2.11889  
Epoch: 4, Step: 540, Loss: 2.02304  
Epoch: 4, Step: 550, Loss: 2.02651  
Epoch: 4, Step: 560, Loss: 2.11321  
Epoch: 4, Step: 570, Loss: 2.37553  
Epoch: 4, Step: 580, Loss: 2.18856  
Epoch: 4, Step: 590, Loss: 1.97936  
Epoch: 4, Step: 600, Loss: 1.96509  
Epoch: 4, Step: 610, Loss: 1.95836  
Epoch: 4, Step: 620, Loss: 1.9509  
Epoch: 4, Step: 630, Loss: 1.94453  
Epoch: 4, Step: 640, Loss: 2.42038  
Epoch: 4, Step: 650, Loss: 7.11056  
Epoch: 4, Step: 660, Loss: 1.96312  
Epoch: 4, Step: 670, Loss: 1.92593  
Epoch: 4, Step: 680, Loss: 1.94223  
Epoch: 4, Step: 690, Loss: 1.91667  
Epoch: 4, Step: 700, Loss: 1.92291  
Epoch: 4, Step: 710, Loss: 1.98074  
Epoch: 4, Step: 720, Loss: 1.93885  
Epoch: 4, Step: 730, Loss: 1.88065  
Epoch: 4, Step: 740, Loss: 1.89928  
Epoch: 4, Step: 750, Loss: 1.96818  
Epoch: 4, Step: 760, Loss: 2.03337  
Epoch: 4, Step: 770, Loss: 1.91727  
Epoch: 4, Step: 780, Loss: 2.31291  
Epoch: 4, Step: 790, Loss: 2.27486  
Epoch: 4, Step: 800, Loss: 1.8889  
Epoch: 4, Step: 810, Loss: 2.07299  
Epoch: 4, Step: 820, Loss: 1.86346  
Epoch: 4, Step: 830, Loss: 1.81884  
Epoch: 4, Step: 840, Loss: 1.81918  
Epoch: 4, Step: 850, Loss: 1.81568  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 5, Step: 500, Loss: 1.80999  
Epoch: 5, Step: 510, Loss: 1.81068  
Epoch: 5, Step: 520, Loss: 1.78645  
Epoch: 5, Step: 530, Loss: 1.77297  
Epoch: 5, Step: 540, Loss: 1.77515  
Epoch: 5, Step: 550, Loss: 1.77377  
Epoch: 5, Step: 560, Loss: 1.76179  
Epoch: 5, Step: 570, Loss: 1.75537

Epoch: 5, Step: 580, Loss: 1.763  
Epoch: 5, Step: 590, Loss: 1.79915  
Epoch: 5, Step: 600, Loss: 4.4954  
Epoch: 5, Step: 610, Loss: 4.63139  
Epoch: 5, Step: 620, Loss: 1.72456  
Epoch: 5, Step: 630, Loss: 1.71604  
Epoch: 5, Step: 640, Loss: 1.73665  
Epoch: 5, Step: 650, Loss: 1.73444  
Epoch: 5, Step: 660, Loss: 1.72527  
Epoch: 5, Step: 670, Loss: 1.73431  
Epoch: 5, Step: 680, Loss: 1.77636  
Epoch: 5, Step: 690, Loss: 1.68252  
Epoch: 5, Step: 700, Loss: 1.68611  
Epoch: 5, Step: 710, Loss: 1.72083  
Epoch: 5, Step: 720, Loss: 1.79542  
Epoch: 5, Step: 730, Loss: 1.79956  
Epoch: 5, Step: 740, Loss: 1.6665  
Epoch: 5, Step: 750, Loss: 1.66141  
Epoch: 5, Step: 760, Loss: 1.7012  
Epoch: 5, Step: 770, Loss: 1.63979  
Epoch: 5, Step: 780, Loss: 1.69211  
Epoch: 5, Step: 790, Loss: 1.84764  
Epoch: 5, Step: 800, Loss: 1.66853  
Epoch: 5, Step: 810, Loss: 1.6099  
Epoch: 5, Step: 820, Loss: 1.63155  
Epoch: 5, Step: 830, Loss: 1.59818  
Epoch: 5, Step: 840, Loss: 1.59482  
Epoch: 5, Step: 850, Loss: 1.58752  
Epoch: 5, Step: 860, Loss: 1.58555  
Epoch: 5, Step: 870, Loss: 1.58097  
Epoch: 5, Step: 880, Loss: 1.59129  
Epoch: 5, Step: 890, Loss: 1.57259  
Epoch: 5, Step: 900, Loss: 1.59668  
Epoch: 5, Step: 910, Loss: 1.61959  
Epoch: 5, Step: 920, Loss: 1.57859  
Epoch: 5, Step: 930, Loss: 2.06745  
Epoch: 5, Step: 940, Loss: 2.04803  
Epoch: 5, Step: 950, Loss: 1.69069  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 6, Step: 600, Loss: 1.55998  
Epoch: 6, Step: 610, Loss: 1.54365  
Epoch: 6, Step: 620, Loss: 1.57504  
Epoch: 6, Step: 630, Loss: 1.87589  
Epoch: 6, Step: 640, Loss: 2.93559  
Epoch: 6, Step: 650, Loss: 2.22381  
Epoch: 6, Step: 660, Loss: 1.5704  
Epoch: 6, Step: 670, Loss: 1.51554  
Epoch: 6, Step: 680, Loss: 1.50092

Epoch: 6, Step: 690, Loss: 1.53648  
Epoch: 6, Step: 700, Loss: 1.57253  
Epoch: 6, Step: 710, Loss: 1.49174  
Epoch: 6, Step: 720, Loss: 1.51477  
Epoch: 6, Step: 730, Loss: 1.54584  
Epoch: 6, Step: 740, Loss: 1.53249  
Epoch: 6, Step: 750, Loss: 1.64322  
Epoch: 6, Step: 760, Loss: 1.98634  
Epoch: 6, Step: 770, Loss: 1.93292  
Epoch: 6, Step: 780, Loss: 1.49175  
Epoch: 6, Step: 790, Loss: 1.58735  
Epoch: 6, Step: 800, Loss: 2.89115  
Epoch: 6, Step: 810, Loss: 1.43  
Epoch: 6, Step: 820, Loss: 1.44552  
Epoch: 6, Step: 830, Loss: 3.11082  
Epoch: 6, Step: 840, Loss: 5.78677  
Epoch: 6, Step: 850, Loss: 1.42742  
Epoch: 6, Step: 860, Loss: 1.41932  
Epoch: 6, Step: 870, Loss: 1.41062  
Epoch: 6, Step: 880, Loss: 1.40201  
Epoch: 6, Step: 890, Loss: 1.4056  
Epoch: 6, Step: 900, Loss: 1.39514  
Epoch: 6, Step: 910, Loss: 1.39996  
Epoch: 6, Step: 920, Loss: 1.39153  
Epoch: 6, Step: 930, Loss: 1.38636  
Epoch: 6, Step: 940, Loss: 1.37533  
Epoch: 6, Step: 950, Loss: 1.37907  
Epoch: 6, Step: 960, Loss: 1.38761  
Epoch: 6, Step: 970, Loss: 1.37546  
Epoch: 6, Step: 980, Loss: 1.36039  
Epoch: 6, Step: 990, Loss: 1.3512  
Epoch: 6, Step: 1000, Loss: 1.35188  
Epoch: 6, Step: 1010, Loss: 1.34461  
Epoch: 6, Step: 1020, Loss: 1.34571  
Epoch: 6, Step: 1030, Loss: 1.33728  
Epoch: 6, Step: 1040, Loss: 1.33223  
Epoch: 6, Step: 1050, Loss: 1.36716  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 7, Step: 700, Loss: 1.47733  
Epoch: 7, Step: 710, Loss: 1.47591  
Epoch: 7, Step: 720, Loss: 1.41341  
Epoch: 7, Step: 730, Loss: 1.36153  
Epoch: 7, Step: 740, Loss: 1.37961  
Epoch: 7, Step: 750, Loss: 1.32376  
Epoch: 7, Step: 760, Loss: 1.30337  
Epoch: 7, Step: 770, Loss: 1.49259  
Epoch: 7, Step: 780, Loss: 1.40963  
Epoch: 7, Step: 790, Loss: 6.34194

Epoch: 7, Step: 800, Loss: 3.69014  
Epoch: 7, Step: 810, Loss: 1.7401  
Epoch: 7, Step: 820, Loss: 1.32774  
Epoch: 7, Step: 830, Loss: 1.33645  
Epoch: 7, Step: 840, Loss: 1.40314  
Epoch: 7, Step: 850, Loss: 1.27277  
Epoch: 7, Step: 860, Loss: 1.35766  
Epoch: 7, Step: 870, Loss: 1.44394  
Epoch: 7, Step: 880, Loss: 1.26327  
Epoch: 7, Step: 890, Loss: 1.31359  
Epoch: 7, Step: 900, Loss: 1.27855  
Epoch: 7, Step: 910, Loss: 1.26564  
Epoch: 7, Step: 920, Loss: 1.23676  
Epoch: 7, Step: 930, Loss: 1.30053  
Epoch: 7, Step: 940, Loss: 1.26603  
Epoch: 7, Step: 950, Loss: 1.33981  
Epoch: 7, Step: 960, Loss: 1.30977  
Epoch: 7, Step: 970, Loss: 1.24314  
Epoch: 7, Step: 980, Loss: 1.22435  
Epoch: 7, Step: 990, Loss: 1.21814  
Epoch: 7, Step: 1000, Loss: 1.21283  
Epoch: 7, Step: 1010, Loss: 1.2075  
Epoch: 7, Step: 1020, Loss: 1.2035  
Epoch: 7, Step: 1030, Loss: 1.19898  
Epoch: 7, Step: 1040, Loss: 1.19283  
Epoch: 7, Step: 1050, Loss: 1.1992  
Epoch: 7, Step: 1060, Loss: 1.19163  
Epoch: 7, Step: 1070, Loss: 1.20545  
Epoch: 7, Step: 1080, Loss: 1.19281  
Epoch: 7, Step: 1090, Loss: 1.19743  
Epoch: 7, Step: 1100, Loss: 1.18268  
Epoch: 7, Step: 1110, Loss: 1.27367  
Epoch: 7, Step: 1120, Loss: 1.3365  
Epoch: 7, Step: 1130, Loss: 1.32425  
Epoch: 7, Step: 1140, Loss: 1.18432  
Epoch: 7, Step: 1150, Loss: 1.16475  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 8, Step: 800, Loss: 1.19415  
Epoch: 8, Step: 810, Loss: 1.34827  
Epoch: 8, Step: 820, Loss: 2.60302  
Epoch: 8, Step: 830, Loss: 2.3491  
Epoch: 8, Step: 840, Loss: 1.58793  
Epoch: 8, Step: 850, Loss: 1.24425  
Epoch: 8, Step: 860, Loss: 1.13826  
Epoch: 8, Step: 870, Loss: 1.12874  
Epoch: 8, Step: 880, Loss: 1.13116  
Epoch: 8, Step: 890, Loss: 1.12397  
Epoch: 8, Step: 900, Loss: 1.13707

Epoch: 8, Step: 910, Loss: 1.14644  
Epoch: 8, Step: 920, Loss: 1.10815  
Epoch: 8, Step: 930, Loss: 1.18004  
Epoch: 8, Step: 940, Loss: 1.34016  
Epoch: 8, Step: 950, Loss: 1.32876  
Epoch: 8, Step: 960, Loss: 1.31899  
Epoch: 8, Step: 970, Loss: 1.10177  
Epoch: 8, Step: 980, Loss: 1.0955  
Epoch: 8, Step: 990, Loss: 1.08746  
Epoch: 8, Step: 1000, Loss: 1.08125  
Epoch: 8, Step: 1010, Loss: 1.08502  
Epoch: 8, Step: 1020, Loss: 3.99873  
Epoch: 8, Step: 1030, Loss: 3.64869  
Epoch: 8, Step: 1040, Loss: 1.06543  
Epoch: 8, Step: 1050, Loss: 1.05845  
Epoch: 8, Step: 1060, Loss: 1.06596  
Epoch: 8, Step: 1070, Loss: 1.06321  
Epoch: 8, Step: 1080, Loss: 1.23883  
Epoch: 8, Step: 1090, Loss: 1.25811  
Epoch: 8, Step: 1100, Loss: 1.15306  
Epoch: 8, Step: 1110, Loss: 1.05244  
Epoch: 8, Step: 1120, Loss: 1.06138  
Epoch: 8, Step: 1130, Loss: 1.04511  
Epoch: 8, Step: 1140, Loss: 1.22726  
Epoch: 8, Step: 1150, Loss: 1.06847  
Epoch: 8, Step: 1160, Loss: 1.17651  
Epoch: 8, Step: 1170, Loss: 1.33525  
Epoch: 8, Step: 1180, Loss: 1.79991  
Epoch: 8, Step: 1190, Loss: 1.59089  
Epoch: 8, Step: 1200, Loss: 1.30529  
Epoch: 8, Step: 1210, Loss: 1.43046  
Epoch: 8, Step: 1220, Loss: 1.06101  
Epoch: 8, Step: 1230, Loss: 1.00726  
Epoch: 8, Step: 1240, Loss: 1.03744  
Epoch: 8, Step: 1250, Loss: 1.12147  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 9, Step: 900, Loss: 1.06546  
Epoch: 9, Step: 910, Loss: 1.00938  
Epoch: 9, Step: 920, Loss: 0.986219  
Epoch: 9, Step: 930, Loss: 0.984505  
Epoch: 9, Step: 940, Loss: 0.979911  
Epoch: 9, Step: 950, Loss: 0.978301  
Epoch: 9, Step: 960, Loss: 1.02573  
Epoch: 9, Step: 970, Loss: 1.00075  
Epoch: 9, Step: 980, Loss: 5.85405  
Epoch: 9, Step: 990, Loss: 1.43557  
Epoch: 9, Step: 1000, Loss: 0.962202  
Epoch: 9, Step: 1010, Loss: 0.970309

Epoch: 9, Step: 1020, Loss: 0.984255  
Epoch: 9, Step: 1030, Loss: 1.00789  
Epoch: 9, Step: 1040, Loss: 0.954678  
Epoch: 9, Step: 1050, Loss: 1.03819  
Epoch: 9, Step: 1060, Loss: 1.04027  
Epoch: 9, Step: 1070, Loss: 0.941015  
Epoch: 9, Step: 1080, Loss: 0.948702  
Epoch: 9, Step: 1090, Loss: 1.09239  
Epoch: 9, Step: 1100, Loss: 0.983647  
Epoch: 9, Step: 1110, Loss: 0.944756  
Epoch: 9, Step: 1120, Loss: 0.938641  
Epoch: 9, Step: 1130, Loss: 0.945215  
Epoch: 9, Step: 1140, Loss: 0.972047  
Epoch: 9, Step: 1150, Loss: 0.940476  
Epoch: 9, Step: 1160, Loss: 0.944143  
Epoch: 9, Step: 1170, Loss: 1.04068  
Epoch: 9, Step: 1180, Loss: 1.70854  
Epoch: 9, Step: 1190, Loss: 2.5947  
Epoch: 9, Step: 1200, Loss: 2.12702  
Epoch: 9, Step: 1210, Loss: 1.15423  
Epoch: 9, Step: 1220, Loss: 1.64626  
Epoch: 9, Step: 1230, Loss: 1.02614  
Epoch: 9, Step: 1240, Loss: 0.898775  
Epoch: 9, Step: 1250, Loss: 0.896848  
Epoch: 9, Step: 1260, Loss: 0.895442  
Epoch: 9, Step: 1270, Loss: 0.897207  
Epoch: 9, Step: 1280, Loss: 0.935107  
Epoch: 9, Step: 1290, Loss: 0.926716  
Epoch: 9, Step: 1300, Loss: 1.10896  
Epoch: 9, Step: 1310, Loss: 1.40807  
Epoch: 9, Step: 1320, Loss: 1.13322  
Epoch: 9, Step: 1330, Loss: 0.970078  
Epoch: 9, Step: 1340, Loss: 0.920225  
Epoch: 9, Step: 1350, Loss: 0.871195  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 10, Step: 1000, Loss: 0.944849  
Epoch: 10, Step: 1010, Loss: 1.44337  
Epoch: 10, Step: 1020, Loss: 2.15012  
Epoch: 10, Step: 1030, Loss: 1.07362  
Epoch: 10, Step: 1040, Loss: 0.954173  
Epoch: 10, Step: 1050, Loss: 0.853042  
Epoch: 10, Step: 1060, Loss: 0.856698  
Epoch: 10, Step: 1070, Loss: 0.850452  
Epoch: 10, Step: 1080, Loss: 0.851406  
Epoch: 10, Step: 1090, Loss: 0.972562  
Epoch: 10, Step: 1100, Loss: 1.1386  
Epoch: 10, Step: 1110, Loss: 1.13238  
Epoch: 10, Step: 1120, Loss: 0.892126

Epoch: 10, Step: 1130, Loss: 1.34016  
Epoch: 10, Step: 1140, Loss: 1.26997  
Epoch: 10, Step: 1150, Loss: 1.03963  
Epoch: 10, Step: 1160, Loss: 0.832903  
Epoch: 10, Step: 1170, Loss: 0.830338  
Epoch: 10, Step: 1180, Loss: 0.849304  
Epoch: 10, Step: 1190, Loss: 0.890117  
Epoch: 10, Step: 1200, Loss: 2.08035  
Epoch: 10, Step: 1210, Loss: 7.56663  
Epoch: 10, Step: 1220, Loss: 2.21109  
Epoch: 10, Step: 1230, Loss: 1.33322  
Epoch: 10, Step: 1240, Loss: 0.831556  
Epoch: 10, Step: 1250, Loss: 0.810858  
Epoch: 10, Step: 1260, Loss: 0.805236  
Epoch: 10, Step: 1270, Loss: 0.801108  
Epoch: 10, Step: 1280, Loss: 0.808047  
Epoch: 10, Step: 1290, Loss: 0.796334  
Epoch: 10, Step: 1300, Loss: 0.792663  
Epoch: 10, Step: 1310, Loss: 0.791266  
Epoch: 10, Step: 1320, Loss: 0.792406  
Epoch: 10, Step: 1330, Loss: 0.794744  
Epoch: 10, Step: 1340, Loss: 0.819134  
Epoch: 10, Step: 1350, Loss: 0.805501  
Epoch: 10, Step: 1360, Loss: 0.777813  
Epoch: 10, Step: 1370, Loss: 0.774858  
Epoch: 10, Step: 1380, Loss: 0.777125  
Epoch: 10, Step: 1390, Loss: 0.773528  
Epoch: 10, Step: 1400, Loss: 0.769969  
Epoch: 10, Step: 1410, Loss: 0.767816  
Epoch: 10, Step: 1420, Loss: 0.76377  
Epoch: 10, Step: 1430, Loss: 0.795234  
Epoch: 10, Step: 1440, Loss: 0.850656  
Epoch: 10, Step: 1450, Loss: 0.841597  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 11, Step: 1100, Loss: 0.844623  
Epoch: 11, Step: 1110, Loss: 0.860709  
Epoch: 11, Step: 1120, Loss: 0.968156  
Epoch: 11, Step: 1130, Loss: 0.875188  
Epoch: 11, Step: 1140, Loss: 0.769762  
Epoch: 11, Step: 1150, Loss: 0.939235  
Epoch: 11, Step: 1160, Loss: 0.904631  
Epoch: 11, Step: 1170, Loss: 6.37778  
Epoch: 11, Step: 1180, Loss: 1.01396  
Epoch: 11, Step: 1190, Loss: 0.758757  
Epoch: 11, Step: 1200, Loss: 0.980962  
Epoch: 11, Step: 1210, Loss: 2.22989  
Epoch: 11, Step: 1220, Loss: 0.885344  
Epoch: 11, Step: 1230, Loss: 0.737956



Epoch: 11, Step: 1240, Loss: 0.905645  
Epoch: 11, Step: 1250, Loss: 0.814639  
Epoch: 11, Step: 1260, Loss: 0.727404  
Epoch: 11, Step: 1270, Loss: 0.81834  
Epoch: 11, Step: 1280, Loss: 0.723741  
Epoch: 11, Step: 1290, Loss: 0.761828  
Epoch: 11, Step: 1300, Loss: 0.745951  
Epoch: 11, Step: 1310, Loss: 0.846483  
Epoch: 11, Step: 1320, Loss: 0.760262  
Epoch: 11, Step: 1330, Loss: 0.861665  
Epoch: 11, Step: 1340, Loss: 0.76599  
Epoch: 11, Step: 1350, Loss: 0.742246  
Epoch: 11, Step: 1360, Loss: 0.724365  
Epoch: 11, Step: 1370, Loss: 0.719141  
Epoch: 11, Step: 1380, Loss: 0.717099  
Epoch: 11, Step: 1390, Loss: 0.713859  
Epoch: 11, Step: 1400, Loss: 0.711268  
Epoch: 11, Step: 1410, Loss: 0.707859  
Epoch: 11, Step: 1420, Loss: 0.707047  
Epoch: 11, Step: 1430, Loss: 0.706339  
Epoch: 11, Step: 1440, Loss: 0.715045  
Epoch: 11, Step: 1450, Loss: 0.694215  
Epoch: 11, Step: 1460, Loss: 0.697781  
Epoch: 11, Step: 1470, Loss: 0.70374  
Epoch: 11, Step: 1480, Loss: 0.838647  
Epoch: 11, Step: 1490, Loss: 0.765588  
Epoch: 11, Step: 1500, Loss: 0.818027  
Epoch: 11, Step: 1510, Loss: 1.01222  
Epoch: 11, Step: 1520, Loss: 0.750198  
Epoch: 11, Step: 1530, Loss: 0.711658  
Epoch: 11, Step: 1540, Loss: 0.684229  
Epoch: 11, Step: 1550, Loss: 0.718699  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 12, Step: 1200, Loss: 0.733874  
Epoch: 12, Step: 1210, Loss: 0.691123  
Epoch: 12, Step: 1220, Loss: 2.83552  
Epoch: 12, Step: 1230, Loss: 1.12666  
Epoch: 12, Step: 1240, Loss: 0.679109  
Epoch: 12, Step: 1250, Loss: 0.726511  
Epoch: 12, Step: 1260, Loss: 0.715761  
Epoch: 12, Step: 1270, Loss: 0.683792  
Epoch: 12, Step: 1280, Loss: 0.751361  
Epoch: 12, Step: 1290, Loss: 0.728051  
Epoch: 12, Step: 1300, Loss: 0.689411  
Epoch: 12, Step: 1310, Loss: 0.752653  
Epoch: 12, Step: 1320, Loss: 1.11017  
Epoch: 12, Step: 1330, Loss: 0.767439  
Epoch: 12, Step: 1340, Loss: 0.770624

Epoch: 12, Step: 1350, Loss: 0.65043  
Epoch: 12, Step: 1360, Loss: 0.651775  
Epoch: 12, Step: 1370, Loss: 0.653156  
Epoch: 12, Step: 1380, Loss: 0.648951  
Epoch: 12, Step: 1390, Loss: 0.675846  
Epoch: 12, Step: 1400, Loss: 5.97849  
Epoch: 12, Step: 1410, Loss: 0.886193  
Epoch: 12, Step: 1420, Loss: 0.638752  
Epoch: 12, Step: 1430, Loss: 0.634318  
Epoch: 12, Step: 1440, Loss: 0.633849  
Epoch: 12, Step: 1450, Loss: 0.639665  
Epoch: 12, Step: 1460, Loss: 0.631333  
Epoch: 12, Step: 1470, Loss: 0.682806  
Epoch: 12, Step: 1480, Loss: 0.710809  
Epoch: 12, Step: 1490, Loss: 0.779742  
Epoch: 12, Step: 1500, Loss: 0.710386  
Epoch: 12, Step: 1510, Loss: 0.812183  
Epoch: 12, Step: 1520, Loss: 0.645233  
Epoch: 12, Step: 1530, Loss: 0.635626  
Epoch: 12, Step: 1540, Loss: 0.632407  
Epoch: 12, Step: 1550, Loss: 0.616131  
Epoch: 12, Step: 1560, Loss: 0.626652  
Epoch: 12, Step: 1570, Loss: 0.655087  
Epoch: 12, Step: 1580, Loss: 1.33655  
Epoch: 12, Step: 1590, Loss: 1.30719  
Epoch: 12, Step: 1600, Loss: 0.649135  
Epoch: 12, Step: 1610, Loss: 0.766157  
Epoch: 12, Step: 1620, Loss: 0.746094  
Epoch: 12, Step: 1630, Loss: 0.637737  
Epoch: 12, Step: 1640, Loss: 0.694436  
Epoch: 12, Step: 1650, Loss: 0.663494  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 13, Step: 1300, Loss: 0.639784  
Epoch: 13, Step: 1310, Loss: 0.619137  
Epoch: 13, Step: 1320, Loss: 0.598164  
Epoch: 13, Step: 1330, Loss: 0.598517  
Epoch: 13, Step: 1340, Loss: 0.660127  
Epoch: 13, Step: 1350, Loss: 1.79283  
Epoch: 13, Step: 1360, Loss: 4.91781  
Epoch: 13, Step: 1370, Loss: 0.597322  
Epoch: 13, Step: 1380, Loss: 0.588593  
Epoch: 13, Step: 1390, Loss: 0.623196  
Epoch: 13, Step: 1400, Loss: 0.628987  
Epoch: 13, Step: 1410, Loss: 0.635671  
Epoch: 13, Step: 1420, Loss: 0.602042  
Epoch: 13, Step: 1430, Loss: 0.722658  
Epoch: 13, Step: 1440, Loss: 0.603774  
Epoch: 13, Step: 1450, Loss: 0.587048

Epoch: 13, Step: 1460, Loss: 0.619563  
Epoch: 13, Step: 1470, Loss: 0.598764  
Epoch: 13, Step: 1480, Loss: 0.580599  
Epoch: 13, Step: 1490, Loss: 0.775101  
Epoch: 13, Step: 1500, Loss: 0.718986  
Epoch: 13, Step: 1510, Loss: 0.638358  
Epoch: 13, Step: 1520, Loss: 0.607725  
Epoch: 13, Step: 1530, Loss: 0.898529  
Epoch: 13, Step: 1540, Loss: 0.669193  
Epoch: 13, Step: 1550, Loss: 0.59721  
Epoch: 13, Step: 1560, Loss: 0.918073  
Epoch: 13, Step: 1570, Loss: 0.992977  
Epoch: 13, Step: 1580, Loss: 1.21766  
Epoch: 13, Step: 1590, Loss: 3.12898  
Epoch: 13, Step: 1600, Loss: 2.0954  
Epoch: 13, Step: 1610, Loss: 0.648108  
Epoch: 13, Step: 1620, Loss: 0.588554  
Epoch: 13, Step: 1630, Loss: 0.557979  
Epoch: 13, Step: 1640, Loss: 0.571803  
Epoch: 13, Step: 1650, Loss: 0.557032  
Epoch: 13, Step: 1660, Loss: 0.593295  
Epoch: 13, Step: 1670, Loss: 0.568672  
Epoch: 13, Step: 1680, Loss: 0.940448  
Epoch: 13, Step: 1690, Loss: 1.1381  
Epoch: 13, Step: 1700, Loss: 0.742661  
Epoch: 13, Step: 1710, Loss: 0.573238  
Epoch: 13, Step: 1720, Loss: 0.568333  
Epoch: 13, Step: 1730, Loss: 0.566337  
Epoch: 13, Step: 1740, Loss: 0.664744  
Epoch: 13, Step: 1750, Loss: 1.2685  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 14, Step: 1400, Loss: 1.28495  
Epoch: 14, Step: 1410, Loss: 0.584279  
Epoch: 14, Step: 1420, Loss: 0.620952  
Epoch: 14, Step: 1430, Loss: 0.539216  
Epoch: 14, Step: 1440, Loss: 0.543899  
Epoch: 14, Step: 1450, Loss: 0.543374  
Epoch: 14, Step: 1460, Loss: 0.555162  
Epoch: 14, Step: 1470, Loss: 0.609097  
Epoch: 14, Step: 1480, Loss: 0.544622  
Epoch: 14, Step: 1490, Loss: 0.56991  
Epoch: 14, Step: 1500, Loss: 0.829545  
Epoch: 14, Step: 1510, Loss: 1.04303  
Epoch: 14, Step: 1520, Loss: 1.0527  
Epoch: 14, Step: 1530, Loss: 0.559257  
Epoch: 14, Step: 1540, Loss: 0.542705  
Epoch: 14, Step: 1550, Loss: 0.54006  
Epoch: 14, Step: 1560, Loss: 0.542068

Epoch: 14, Step: 1570, Loss: 0.539714  
Epoch: 14, Step: 1580, Loss: 0.815301  
Epoch: 14, Step: 1590, Loss: 7.14761  
Epoch: 14, Step: 1600, Loss: 1.40663  
Epoch: 14, Step: 1610, Loss: 2.46175  
Epoch: 14, Step: 1620, Loss: 1.24717  
Epoch: 14, Step: 1630, Loss: 1.08162  
Epoch: 14, Step: 1640, Loss: 0.571255  
Epoch: 14, Step: 1650, Loss: 0.527232  
Epoch: 14, Step: 1660, Loss: 0.539157  
Epoch: 14, Step: 1670, Loss: 0.527047  
Epoch: 14, Step: 1680, Loss: 0.519523  
Epoch: 14, Step: 1690, Loss: 0.514589  
Epoch: 14, Step: 1700, Loss: 0.511064  
Epoch: 14, Step: 1710, Loss: 0.539975  
Epoch: 14, Step: 1720, Loss: 0.538087  
Epoch: 14, Step: 1730, Loss: 0.520204  
Epoch: 14, Step: 1740, Loss: 0.505123  
Epoch: 14, Step: 1750, Loss: 0.503719  
Epoch: 14, Step: 1760, Loss: 0.50243  
Epoch: 14, Step: 1770, Loss: 0.502627  
Epoch: 14, Step: 1780, Loss: 0.499826  
Epoch: 14, Step: 1790, Loss: 0.499904  
Epoch: 14, Step: 1800, Loss: 0.497959  
Epoch: 14, Step: 1810, Loss: 0.503031  
Epoch: 14, Step: 1820, Loss: 0.500456  
Epoch: 14, Step: 1830, Loss: 0.498563  
Epoch: 14, Step: 1840, Loss: 0.496227  
Epoch: 14, Step: 1850, Loss: 0.496257  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 15, Step: 1500, Loss: 0.508246  
Epoch: 15, Step: 1510, Loss: 0.626629  
Epoch: 15, Step: 1520, Loss: 0.754997  
Epoch: 15, Step: 1530, Loss: 1.00627  
Epoch: 15, Step: 1540, Loss: 2.94145  
Epoch: 15, Step: 1550, Loss: 3.47678  
Epoch: 15, Step: 1560, Loss: 0.529642  
Epoch: 15, Step: 1570, Loss: 0.503051  
Epoch: 15, Step: 1580, Loss: 0.618497  
Epoch: 15, Step: 1590, Loss: 0.78385  
Epoch: 15, Step: 1600, Loss: 0.584524  
Epoch: 15, Step: 1610, Loss: 0.891638  
Epoch: 15, Step: 1620, Loss: 1.05869  
Epoch: 15, Step: 1630, Loss: 0.506216  
Epoch: 15, Step: 1640, Loss: 0.510687  
Epoch: 15, Step: 1650, Loss: 0.505415  
Epoch: 15, Step: 1660, Loss: 0.492168  
Epoch: 15, Step: 1670, Loss: 0.509565

Epoch: 15, Step: 1680, Loss: 0.48916  
Epoch: 15, Step: 1690, Loss: 0.488707  
Epoch: 15, Step: 1700, Loss: 0.60482  
Epoch: 15, Step: 1710, Loss: 0.60598  
Epoch: 15, Step: 1720, Loss: 0.486262  
Epoch: 15, Step: 1730, Loss: 0.479181  
Epoch: 15, Step: 1740, Loss: 0.475821  
Epoch: 15, Step: 1750, Loss: 0.478097  
Epoch: 15, Step: 1760, Loss: 0.479275  
Epoch: 15, Step: 1770, Loss: 0.473124  
Epoch: 15, Step: 1780, Loss: 0.472827  
Epoch: 15, Step: 1790, Loss: 0.47489  
Epoch: 15, Step: 1800, Loss: 0.470099  
Epoch: 15, Step: 1810, Loss: 0.466214  
Epoch: 15, Step: 1820, Loss: 0.467394  
Epoch: 15, Step: 1830, Loss: 0.484034  
Epoch: 15, Step: 1840, Loss: 0.465672  
Epoch: 15, Step: 1850, Loss: 0.472469  
Epoch: 15, Step: 1860, Loss: 0.812539  
Epoch: 15, Step: 1870, Loss: 0.56439  
Epoch: 15, Step: 1880, Loss: 0.559473  
Epoch: 15, Step: 1890, Loss: 0.53735  
Epoch: 15, Step: 1900, Loss: 0.486993  
Epoch: 15, Step: 1910, Loss: 0.479592  
Epoch: 15, Step: 1920, Loss: 0.471853  
Epoch: 15, Step: 1930, Loss: 0.502823  
Epoch: 15, Step: 1940, Loss: 0.501991  
Epoch: 15, Step: 1950, Loss: 0.515817  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 16, Step: 1600, Loss: 0.483959  
Epoch: 16, Step: 1610, Loss: 0.557613  
Epoch: 16, Step: 1620, Loss: 1.71365  
Epoch: 16, Step: 1630, Loss: 0.946289  
Epoch: 16, Step: 1640, Loss: 0.626869  
Epoch: 16, Step: 1650, Loss: 0.46578  
Epoch: 16, Step: 1660, Loss: 0.523032  
Epoch: 16, Step: 1670, Loss: 0.450932  
Epoch: 16, Step: 1680, Loss: 0.49031  
Epoch: 16, Step: 1690, Loss: 0.554222  
Epoch: 16, Step: 1700, Loss: 0.780895  
Epoch: 16, Step: 1710, Loss: 0.685019  
Epoch: 16, Step: 1720, Loss: 0.486325  
Epoch: 16, Step: 1730, Loss: 0.451549  
Epoch: 16, Step: 1740, Loss: 0.445197  
Epoch: 16, Step: 1750, Loss: 0.447748  
Epoch: 16, Step: 1760, Loss: 0.456049  
Epoch: 16, Step: 1770, Loss: 1.61896  
Epoch: 16, Step: 1780, Loss: 4.70113

Epoch: 16, Step: 1790, Loss: 0.453677  
Epoch: 16, Step: 1800, Loss: 0.441013  
Epoch: 16, Step: 1810, Loss: 0.439563  
Epoch: 16, Step: 1820, Loss: 0.44159  
Epoch: 16, Step: 1830, Loss: 0.438714  
Epoch: 16, Step: 1840, Loss: 0.438297  
Epoch: 16, Step: 1850, Loss: 0.438175  
Epoch: 16, Step: 1860, Loss: 0.434628  
Epoch: 16, Step: 1870, Loss: 0.436368  
Epoch: 16, Step: 1880, Loss: 0.435304  
Epoch: 16, Step: 1890, Loss: 0.980663  
Epoch: 16, Step: 1900, Loss: 0.490801  
Epoch: 16, Step: 1910, Loss: 0.924885  
Epoch: 16, Step: 1920, Loss: 0.452314  
Epoch: 16, Step: 1930, Loss: 0.431432  
Epoch: 16, Step: 1940, Loss: 0.43229  
Epoch: 16, Step: 1950, Loss: 0.447064  
Epoch: 16, Step: 1960, Loss: 0.958217  
Epoch: 16, Step: 1970, Loss: 0.433474  
Epoch: 16, Step: 1980, Loss: 0.830882  
Epoch: 16, Step: 1990, Loss: 0.762064  
Epoch: 16, Step: 2000, Loss: 2.73925  
Epoch: 16, Step: 2010, Loss: 1.9988  
Epoch: 16, Step: 2020, Loss: 0.437822  
Epoch: 16, Step: 2030, Loss: 0.441909  
Epoch: 16, Step: 2040, Loss: 0.42336  
Epoch: 16, Step: 2050, Loss: 0.424079  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 17, Step: 1700, Loss: 0.426905  
Epoch: 17, Step: 1710, Loss: 0.462682  
Epoch: 17, Step: 1720, Loss: 0.484814  
Epoch: 17, Step: 1730, Loss: 3.81773  
Epoch: 17, Step: 1740, Loss: 2.45834  
Epoch: 17, Step: 1750, Loss: 0.42301  
Epoch: 17, Step: 1760, Loss: 0.419876  
Epoch: 17, Step: 1770, Loss: 0.461077  
Epoch: 17, Step: 1780, Loss: 0.476215  
Epoch: 17, Step: 1790, Loss: 0.440623  
Epoch: 17, Step: 1800, Loss: 0.484143  
Epoch: 17, Step: 1810, Loss: 0.528806  
Epoch: 17, Step: 1820, Loss: 0.414075  
Epoch: 17, Step: 1830, Loss: 0.456934  
Epoch: 17, Step: 1840, Loss: 0.42946  
Epoch: 17, Step: 1850, Loss: 0.427867  
Epoch: 17, Step: 1860, Loss: 0.419661  
Epoch: 17, Step: 1870, Loss: 0.435309  
Epoch: 17, Step: 1880, Loss: 0.423341  
Epoch: 17, Step: 1890, Loss: 0.689854

Epoch: 17, Step: 1900, Loss: 0.76415  
Epoch: 17, Step: 1910, Loss: 0.502292  
Epoch: 17, Step: 1920, Loss: 0.513507  
Epoch: 17, Step: 1930, Loss: 0.483207  
Epoch: 17, Step: 1940, Loss: 0.440104  
Epoch: 17, Step: 1950, Loss: 0.489622  
Epoch: 17, Step: 1960, Loss: 0.594905  
Epoch: 17, Step: 1970, Loss: 0.760196  
Epoch: 17, Step: 1980, Loss: 1.75505  
Epoch: 17, Step: 1990, Loss: 2.64782  
Epoch: 17, Step: 2000, Loss: 1.00098  
Epoch: 17, Step: 2010, Loss: 0.598619  
Epoch: 17, Step: 2020, Loss: 0.605947  
Epoch: 17, Step: 2030, Loss: 0.415151  
Epoch: 17, Step: 2040, Loss: 0.437536  
Epoch: 17, Step: 2050, Loss: 0.624753  
Epoch: 17, Step: 2060, Loss: 0.831509  
Epoch: 17, Step: 2070, Loss: 0.716168  
Epoch: 17, Step: 2080, Loss: 0.494642  
Epoch: 17, Step: 2090, Loss: 0.432664  
Epoch: 17, Step: 2100, Loss: 0.412249  
Epoch: 17, Step: 2110, Loss: 0.47579  
Epoch: 17, Step: 2120, Loss: 0.921884  
Epoch: 17, Step: 2130, Loss: 1.6996  
Epoch: 17, Step: 2140, Loss: 0.822278  
Epoch: 17, Step: 2150, Loss: 0.545247  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 18, Step: 1800, Loss: 0.439359  
Epoch: 18, Step: 1810, Loss: 0.396963  
Epoch: 18, Step: 1820, Loss: 0.391042  
Epoch: 18, Step: 1830, Loss: 0.3966  
Epoch: 18, Step: 1840, Loss: 0.421452  
Epoch: 18, Step: 1850, Loss: 0.449232  
Epoch: 18, Step: 1860, Loss: 0.391226  
Epoch: 18, Step: 1870, Loss: 0.45521  
Epoch: 18, Step: 1880, Loss: 0.617826  
Epoch: 18, Step: 1890, Loss: 0.478244  
Epoch: 18, Step: 1900, Loss: 0.63287  
Epoch: 18, Step: 1910, Loss: 0.413012  
Epoch: 18, Step: 1920, Loss: 0.409089  
Epoch: 18, Step: 1930, Loss: 0.420697  
Epoch: 18, Step: 1940, Loss: 0.436305  
Epoch: 18, Step: 1950, Loss: 0.408726  
Epoch: 18, Step: 1960, Loss: 4.62634  
Epoch: 18, Step: 1970, Loss: 3.07499  
Epoch: 18, Step: 1980, Loss: 0.592137  
Epoch: 18, Step: 1990, Loss: 0.566312  
Epoch: 18, Step: 2000, Loss: 1.69154

Epoch: 18, Step: 2010, Loss: 1.00279  
Epoch: 18, Step: 2020, Loss: 2.18558  
Epoch: 18, Step: 2030, Loss: 2.40284  
Epoch: 18, Step: 2040, Loss: 0.681281  
Epoch: 18, Step: 2050, Loss: 0.379876  
Epoch: 18, Step: 2060, Loss: 0.383944  
Epoch: 18, Step: 2070, Loss: 0.382868  
Epoch: 18, Step: 2080, Loss: 0.391306  
Epoch: 18, Step: 2090, Loss: 0.408509  
Epoch: 18, Step: 2100, Loss: 0.411785  
Epoch: 18, Step: 2110, Loss: 0.376639  
Epoch: 18, Step: 2120, Loss: 0.375003  
Epoch: 18, Step: 2130, Loss: 0.375232  
Epoch: 18, Step: 2140, Loss: 0.375577  
Epoch: 18, Step: 2150, Loss: 0.37365  
Epoch: 18, Step: 2160, Loss: 0.372407  
Epoch: 18, Step: 2170, Loss: 0.371159  
Epoch: 18, Step: 2180, Loss: 0.370728  
Epoch: 18, Step: 2190, Loss: 0.394026  
Epoch: 18, Step: 2200, Loss: 0.370468  
Epoch: 18, Step: 2210, Loss: 0.370522  
Epoch: 18, Step: 2220, Loss: 0.368961  
Epoch: 18, Step: 2230, Loss: 0.37322  
Epoch: 18, Step: 2240, Loss: 0.415237  
Epoch: 18, Step: 2250, Loss: 0.680317  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 19, Step: 1900, Loss: 0.420301  
Epoch: 19, Step: 1910, Loss: 0.396721  
Epoch: 19, Step: 1920, Loss: 5.30152  
Epoch: 19, Step: 1930, Loss: 1.08341  
Epoch: 19, Step: 1940, Loss: 0.37453  
Epoch: 19, Step: 1950, Loss: 0.509261  
Epoch: 19, Step: 1960, Loss: 0.562154  
Epoch: 19, Step: 1970, Loss: 0.389672  
Epoch: 19, Step: 1980, Loss: 0.38237  
Epoch: 19, Step: 1990, Loss: 0.471718  
Epoch: 19, Step: 2000, Loss: 0.586835  
Epoch: 19, Step: 2010, Loss: 1.78732  
Epoch: 19, Step: 2020, Loss: 0.746988  
Epoch: 19, Step: 2030, Loss: 0.366995  
Epoch: 19, Step: 2040, Loss: 0.430586  
Epoch: 19, Step: 2050, Loss: 0.389983  
Epoch: 19, Step: 2060, Loss: 0.581345  
Epoch: 19, Step: 2070, Loss: 0.392017  
Epoch: 19, Step: 2080, Loss: 0.537174  
Epoch: 19, Step: 2090, Loss: 0.67072  
Epoch: 19, Step: 2100, Loss: 0.373989  
Epoch: 19, Step: 2110, Loss: 0.364819



Epoch: 19, Step: 2120, Loss: 0.364679  
Epoch: 19, Step: 2130, Loss: 0.362364  
Epoch: 19, Step: 2140, Loss: 0.362778  
Epoch: 19, Step: 2150, Loss: 0.365656  
Epoch: 19, Step: 2160, Loss: 0.365712  
Epoch: 19, Step: 2170, Loss: 0.359686  
Epoch: 19, Step: 2180, Loss: 0.369138  
Epoch: 19, Step: 2190, Loss: 0.36557  
Epoch: 19, Step: 2200, Loss: 0.361661  
Epoch: 19, Step: 2210, Loss: 0.364093  
Epoch: 19, Step: 2220, Loss: 0.386598  
Epoch: 19, Step: 2230, Loss: 0.374728  
Epoch: 19, Step: 2240, Loss: 0.654714  
Epoch: 19, Step: 2250, Loss: 0.901038  
Epoch: 19, Step: 2260, Loss: 0.667616  
Epoch: 19, Step: 2270, Loss: 0.399608  
Epoch: 19, Step: 2280, Loss: 0.358173  
Epoch: 19, Step: 2290, Loss: 0.357874  
Epoch: 19, Step: 2300, Loss: 0.374541  
Epoch: 19, Step: 2310, Loss: 0.440507  
Epoch: 19, Step: 2320, Loss: 0.433587  
Epoch: 19, Step: 2330, Loss: 0.378245  
Epoch: 19, Step: 2340, Loss: 0.399375  
Epoch: 19, Step: 2350, Loss: 0.406051  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 20, Step: 2000, Loss: 0.361389  
Epoch: 20, Step: 2010, Loss: 0.363372  
Epoch: 20, Step: 2020, Loss: 0.868882  
Epoch: 20, Step: 2030, Loss: 0.400478  
Epoch: 20, Step: 2040, Loss: 0.422682  
Epoch: 20, Step: 2050, Loss: 0.574999  
Epoch: 20, Step: 2060, Loss: 1.23217  
Epoch: 20, Step: 2070, Loss: 0.740572  
Epoch: 20, Step: 2080, Loss: 0.428898  
Epoch: 20, Step: 2090, Loss: 0.506767  
Epoch: 20, Step: 2100, Loss: 0.348546  
Epoch: 20, Step: 2110, Loss: 0.349447  
Epoch: 20, Step: 2120, Loss: 0.353299  
Epoch: 20, Step: 2130, Loss: 0.349731  
Epoch: 20, Step: 2140, Loss: 0.355613  
Epoch: 20, Step: 2150, Loss: 4.00201  
Epoch: 20, Step: 2160, Loss: 1.71548  
Epoch: 20, Step: 2170, Loss: 0.34998  
Epoch: 20, Step: 2180, Loss: 0.343167  
Epoch: 20, Step: 2190, Loss: 0.342853  
Epoch: 20, Step: 2200, Loss: 0.348526  
Epoch: 20, Step: 2210, Loss: 0.342912  
Epoch: 20, Step: 2220, Loss: 0.341365

Epoch: 20, Step: 2230, Loss: 0.338385  
Epoch: 20, Step: 2240, Loss: 0.339972  
Epoch: 20, Step: 2250, Loss: 0.339774  
Epoch: 20, Step: 2260, Loss: 0.34153  
Epoch: 20, Step: 2270, Loss: 0.386282  
Epoch: 20, Step: 2280, Loss: 0.389176  
Epoch: 20, Step: 2290, Loss: 0.605475  
Epoch: 20, Step: 2300, Loss: 0.413271  
Epoch: 20, Step: 2310, Loss: 0.340493  
Epoch: 20, Step: 2320, Loss: 0.348322  
Epoch: 20, Step: 2330, Loss: 0.398293  
Epoch: 20, Step: 2340, Loss: 0.399401  
Epoch: 20, Step: 2350, Loss: 0.333293  
Epoch: 20, Step: 2360, Loss: 0.365748  
Epoch: 20, Step: 2370, Loss: 0.519695  
Epoch: 20, Step: 2380, Loss: 3.72019  
Epoch: 20, Step: 2390, Loss: 4.50037  
Epoch: 20, Step: 2400, Loss: 2.15278  
Epoch: 20, Step: 2410, Loss: 0.494441  
Epoch: 20, Step: 2420, Loss: 0.346297  
Epoch: 20, Step: 2430, Loss: 0.330605  
Epoch: 20, Step: 2440, Loss: 0.332504  
Epoch: 20, Step: 2450, Loss: 0.634539  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 21, Step: 2100, Loss: 0.403039  
Epoch: 21, Step: 2110, Loss: 5.94953  
Epoch: 21, Step: 2120, Loss: 0.495991  
Epoch: 21, Step: 2130, Loss: 0.330485  
Epoch: 21, Step: 2140, Loss: 0.396653  
Epoch: 21, Step: 2150, Loss: 0.460259  
Epoch: 21, Step: 2160, Loss: 0.38174  
Epoch: 21, Step: 2170, Loss: 0.331139  
Epoch: 21, Step: 2180, Loss: 0.451095  
Epoch: 21, Step: 2190, Loss: 0.388568  
Epoch: 21, Step: 2200, Loss: 0.325881  
Epoch: 21, Step: 2210, Loss: 0.384752  
Epoch: 21, Step: 2220, Loss: 0.331481  
Epoch: 21, Step: 2230, Loss: 0.357746  
Epoch: 21, Step: 2240, Loss: 0.330902  
Epoch: 21, Step: 2250, Loss: 0.352233  
Epoch: 21, Step: 2260, Loss: 0.370286  
Epoch: 21, Step: 2270, Loss: 0.694956  
Epoch: 21, Step: 2280, Loss: 0.562045  
Epoch: 21, Step: 2290, Loss: 0.387401  
Epoch: 21, Step: 2300, Loss: 0.387129  
Epoch: 21, Step: 2310, Loss: 0.442786  
Epoch: 21, Step: 2320, Loss: 0.339904  
Epoch: 21, Step: 2330, Loss: 0.345071

Epoch: 21, Step: 2340, Loss: 0.356974  
Epoch: 21, Step: 2350, Loss: 0.374603  
Epoch: 21, Step: 2360, Loss: 0.46453  
Epoch: 21, Step: 2370, Loss: 0.410536  
Epoch: 21, Step: 2380, Loss: 0.321484  
Epoch: 21, Step: 2390, Loss: 0.544197  
Epoch: 21, Step: 2400, Loss: 0.431753  
Epoch: 21, Step: 2410, Loss: 0.393285  
Epoch: 21, Step: 2420, Loss: 0.92329  
Epoch: 21, Step: 2430, Loss: 0.896567  
Epoch: 21, Step: 2440, Loss: 0.873731  
Epoch: 21, Step: 2450, Loss: 0.526242  
Epoch: 21, Step: 2460, Loss: 0.368611  
Epoch: 21, Step: 2470, Loss: 0.33969  
Epoch: 21, Step: 2480, Loss: 0.338677  
Epoch: 21, Step: 2490, Loss: 0.429932  
Epoch: 21, Step: 2500, Loss: 0.894913  
Epoch: 21, Step: 2510, Loss: 1.30172  
Epoch: 21, Step: 2520, Loss: 0.409931  
Epoch: 21, Step: 2530, Loss: 0.443639  
Epoch: 21, Step: 2540, Loss: 0.365719  
Epoch: 21, Step: 2550, Loss: 0.313916  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 22, Step: 2200, Loss: 0.319993  
Epoch: 22, Step: 2210, Loss: 0.323159  
Epoch: 22, Step: 2220, Loss: 0.35032  
Epoch: 22, Step: 2230, Loss: 0.350488  
Epoch: 22, Step: 2240, Loss: 0.317454  
Epoch: 22, Step: 2250, Loss: 0.419577  
Epoch: 22, Step: 2260, Loss: 0.733875  
Epoch: 22, Step: 2270, Loss: 0.429606  
Epoch: 22, Step: 2280, Loss: 0.526778  
Epoch: 22, Step: 2290, Loss: 0.329205  
Epoch: 22, Step: 2300, Loss: 0.327995  
Epoch: 22, Step: 2310, Loss: 0.325443  
Epoch: 22, Step: 2320, Loss: 0.32825  
Epoch: 22, Step: 2330, Loss: 0.345645  
Epoch: 22, Step: 2340, Loss: 4.24219  
Epoch: 22, Step: 2350, Loss: 0.538347  
Epoch: 22, Step: 2360, Loss: 0.380595  
Epoch: 22, Step: 2370, Loss: 0.456614  
Epoch: 22, Step: 2380, Loss: 0.466352  
Epoch: 22, Step: 2390, Loss: 0.325815  
Epoch: 22, Step: 2400, Loss: 3.09795  
Epoch: 22, Step: 2410, Loss: 5.19612  
Epoch: 22, Step: 2420, Loss: 3.72708  
Epoch: 22, Step: 2430, Loss: 2.97657  
Epoch: 22, Step: 2440, Loss: 1.66782

Epoch: 22, Step: 2450, Loss: 0.425544  
Epoch: 22, Step: 2460, Loss: 0.334555  
Epoch: 22, Step: 2470, Loss: 0.320243  
Epoch: 22, Step: 2480, Loss: 0.315211  
Epoch: 22, Step: 2490, Loss: 0.310608  
Epoch: 22, Step: 2500, Loss: 0.307458  
Epoch: 22, Step: 2510, Loss: 0.311149  
Epoch: 22, Step: 2520, Loss: 0.336187  
Epoch: 22, Step: 2530, Loss: 0.307673  
Epoch: 22, Step: 2540, Loss: 0.302345  
Epoch: 22, Step: 2550, Loss: 0.303577  
Epoch: 22, Step: 2560, Loss: 0.304261  
Epoch: 22, Step: 2570, Loss: 0.311266  
Epoch: 22, Step: 2580, Loss: 0.306236  
Epoch: 22, Step: 2590, Loss: 0.302734  
Epoch: 22, Step: 2600, Loss: 0.303011  
Epoch: 22, Step: 2610, Loss: 0.315632  
Epoch: 22, Step: 2620, Loss: 0.312531  
Epoch: 22, Step: 2630, Loss: 0.3036  
Epoch: 22, Step: 2640, Loss: 0.409589  
Epoch: 22, Step: 2650, Loss: 1.55535  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 23, Step: 2300, Loss: 5.53323  
Epoch: 23, Step: 2310, Loss: 0.374131  
Epoch: 23, Step: 2320, Loss: 0.308309  
Epoch: 23, Step: 2330, Loss: 0.35341  
Epoch: 23, Step: 2340, Loss: 0.3156  
Epoch: 23, Step: 2350, Loss: 0.321791  
Epoch: 23, Step: 2360, Loss: 0.347275  
Epoch: 23, Step: 2370, Loss: 0.356579  
Epoch: 23, Step: 2380, Loss: 0.303477  
Epoch: 23, Step: 2390, Loss: 0.298912  
Epoch: 23, Step: 2400, Loss: 0.306733  
Epoch: 23, Step: 2410, Loss: 0.304235  
Epoch: 23, Step: 2420, Loss: 0.325322  
Epoch: 23, Step: 2430, Loss: 0.309706  
Epoch: 23, Step: 2440, Loss: 0.475926  
Epoch: 23, Step: 2450, Loss: 0.369984  
Epoch: 23, Step: 2460, Loss: 0.435156  
Epoch: 23, Step: 2470, Loss: 0.327405  
Epoch: 23, Step: 2480, Loss: 0.320053  
Epoch: 23, Step: 2490, Loss: 0.298905  
Epoch: 23, Step: 2500, Loss: 0.298391  
Epoch: 23, Step: 2510, Loss: 0.303655  
Epoch: 23, Step: 2520, Loss: 0.303227  
Epoch: 23, Step: 2530, Loss: 0.297669  
Epoch: 23, Step: 2540, Loss: 0.298538  
Epoch: 23, Step: 2550, Loss: 0.306459

Epoch: 23, Step: 2560, Loss: 0.30841  
Epoch: 23, Step: 2570, Loss: 0.316109  
Epoch: 23, Step: 2580, Loss: 0.295994  
Epoch: 23, Step: 2590, Loss: 0.305811  
Epoch: 23, Step: 2600, Loss: 0.353032  
Epoch: 23, Step: 2610, Loss: 0.306079  
Epoch: 23, Step: 2620, Loss: 0.678199  
Epoch: 23, Step: 2630, Loss: 0.75738  
Epoch: 23, Step: 2640, Loss: 0.406555  
Epoch: 23, Step: 2650, Loss: 0.342971  
Epoch: 23, Step: 2660, Loss: 0.298633  
Epoch: 23, Step: 2670, Loss: 0.340169  
Epoch: 23, Step: 2680, Loss: 0.321244  
Epoch: 23, Step: 2690, Loss: 0.349385  
Epoch: 23, Step: 2700, Loss: 0.325253  
Epoch: 23, Step: 2710, Loss: 0.316461  
Epoch: 23, Step: 2720, Loss: 0.328081  
Epoch: 23, Step: 2730, Loss: 0.292609  
Epoch: 23, Step: 2740, Loss: 0.292444  
Epoch: 23, Step: 2750, Loss: 0.312426  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 24, Step: 2400, Loss: 0.331249  
Epoch: 24, Step: 2410, Loss: 0.352268  
Epoch: 24, Step: 2420, Loss: 0.351085  
Epoch: 24, Step: 2430, Loss: 1.29618  
Epoch: 24, Step: 2440, Loss: 2.90467  
Epoch: 24, Step: 2450, Loss: 2.67281  
Epoch: 24, Step: 2460, Loss: 0.480691  
Epoch: 24, Step: 2470, Loss: 0.357859  
Epoch: 24, Step: 2480, Loss: 0.30534  
Epoch: 24, Step: 2490, Loss: 0.302374  
Epoch: 24, Step: 2500, Loss: 0.300963  
Epoch: 24, Step: 2510, Loss: 0.29558  
Epoch: 24, Step: 2520, Loss: 0.491417  
Epoch: 24, Step: 2530, Loss: 5.52043  
Epoch: 24, Step: 2540, Loss: 0.380462  
Epoch: 24, Step: 2550, Loss: 0.292494  
Epoch: 24, Step: 2560, Loss: 0.298456  
Epoch: 24, Step: 2570, Loss: 0.29587  
Epoch: 24, Step: 2580, Loss: 0.29116  
Epoch: 24, Step: 2590, Loss: 0.287513  
Epoch: 24, Step: 2600, Loss: 0.295913  
Epoch: 24, Step: 2610, Loss: 0.304305  
Epoch: 24, Step: 2620, Loss: 0.284196  
Epoch: 24, Step: 2630, Loss: 0.389412  
Epoch: 24, Step: 2640, Loss: 0.401481  
Epoch: 24, Step: 2650, Loss: 0.315388  
Epoch: 24, Step: 2660, Loss: 0.353114

Epoch: 24, Step: 2670, Loss: 0.345465  
Epoch: 24, Step: 2680, Loss: 0.406805  
Epoch: 24, Step: 2690, Loss: 0.382249  
Epoch: 24, Step: 2700, Loss: 0.376326  
Epoch: 24, Step: 2710, Loss: 0.378768  
Epoch: 24, Step: 2720, Loss: 0.292059  
Epoch: 24, Step: 2730, Loss: 0.285302  
Epoch: 24, Step: 2740, Loss: 0.283708  
Epoch: 24, Step: 2750, Loss: 0.491342  
Epoch: 24, Step: 2760, Loss: 0.39332  
Epoch: 24, Step: 2770, Loss: 0.582988  
Epoch: 24, Step: 2780, Loss: 1.42579  
Epoch: 24, Step: 2790, Loss: 1.06353  
Epoch: 24, Step: 2800, Loss: 1.06633  
Epoch: 24, Step: 2810, Loss: 0.861337  
Epoch: 24, Step: 2820, Loss: 0.308031  
Epoch: 24, Step: 2830, Loss: 1.70567  
Epoch: 24, Step: 2840, Loss: 2.88548  
Epoch: 24, Step: 2850, Loss: 4.19221  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 25, Step: 2500, Loss: 0.4213  
Epoch: 25, Step: 2510, Loss: 0.286513  
Epoch: 25, Step: 2520, Loss: 0.588153  
Epoch: 25, Step: 2530, Loss: 0.302097  
Epoch: 25, Step: 2540, Loss: 0.321408  
Epoch: 25, Step: 2550, Loss: 0.323933  
Epoch: 25, Step: 2560, Loss: 0.421157  
Epoch: 25, Step: 2570, Loss: 0.28098  
Epoch: 25, Step: 2580, Loss: 0.287788  
Epoch: 25, Step: 2590, Loss: 0.298978  
Epoch: 25, Step: 2600, Loss: 0.286609  
Epoch: 25, Step: 2610, Loss: 0.292318  
Epoch: 25, Step: 2620, Loss: 0.311123  
Epoch: 25, Step: 2630, Loss: 0.316954  
Epoch: 25, Step: 2640, Loss: 0.38246  
Epoch: 25, Step: 2650, Loss: 0.429309  
Epoch: 25, Step: 2660, Loss: 0.284148  
Epoch: 25, Step: 2670, Loss: 0.335922  
Epoch: 25, Step: 2680, Loss: 0.299176  
Epoch: 25, Step: 2690, Loss: 0.275024  
Epoch: 25, Step: 2700, Loss: 0.288582  
Epoch: 25, Step: 2710, Loss: 0.298289  
Epoch: 25, Step: 2720, Loss: 0.275079  
Epoch: 25, Step: 2730, Loss: 0.272118  
Epoch: 25, Step: 2740, Loss: 0.275622  
Epoch: 25, Step: 2750, Loss: 0.276756  
Epoch: 25, Step: 2760, Loss: 0.285734  
Epoch: 25, Step: 2770, Loss: 0.34974

Epoch: 25, Step: 2780, Loss: 0.275106  
Epoch: 25, Step: 2790, Loss: 0.291589  
Epoch: 25, Step: 2800, Loss: 1.55179  
Epoch: 25, Step: 2810, Loss: 1.29668  
Epoch: 25, Step: 2820, Loss: 1.45223  
Epoch: 25, Step: 2830, Loss: 1.01107  
Epoch: 25, Step: 2840, Loss: 0.567326  
Epoch: 25, Step: 2850, Loss: 0.320151  
Epoch: 25, Step: 2860, Loss: 0.300103  
Epoch: 25, Step: 2870, Loss: 0.394849  
Epoch: 25, Step: 2880, Loss: 0.463842  
Epoch: 25, Step: 2890, Loss: 0.409829  
Epoch: 25, Step: 2900, Loss: 0.328363  
Epoch: 25, Step: 2910, Loss: 0.314711  
Epoch: 25, Step: 2920, Loss: 0.272321  
Epoch: 25, Step: 2930, Loss: 0.269501  
Epoch: 25, Step: 2940, Loss: 0.272343  
Epoch: 25, Step: 2950, Loss: 0.293155  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 26, Step: 2600, Loss: 0.329148  
Epoch: 26, Step: 2610, Loss: 0.268194  
Epoch: 26, Step: 2620, Loss: 0.292982  
Epoch: 26, Step: 2630, Loss: 0.400993  
Epoch: 26, Step: 2640, Loss: 0.580996  
Epoch: 26, Step: 2650, Loss: 0.445782  
Epoch: 26, Step: 2660, Loss: 0.275032  
Epoch: 26, Step: 2670, Loss: 0.268583  
Epoch: 26, Step: 2680, Loss: 0.276932  
Epoch: 26, Step: 2690, Loss: 0.290479  
Epoch: 26, Step: 2700, Loss: 0.28028  
Epoch: 26, Step: 2710, Loss: 2.2128  
Epoch: 26, Step: 2720, Loss: 5.78498  
Epoch: 26, Step: 2730, Loss: 0.299103  
Epoch: 26, Step: 2740, Loss: 0.289469  
Epoch: 26, Step: 2750, Loss: 0.287505  
Epoch: 26, Step: 2760, Loss: 0.278445  
Epoch: 26, Step: 2770, Loss: 0.327976  
Epoch: 26, Step: 2780, Loss: 0.589886  
Epoch: 26, Step: 2790, Loss: 0.967272  
Epoch: 26, Step: 2800, Loss: 1.39793  
Epoch: 26, Step: 2810, Loss: 1.1826  
Epoch: 26, Step: 2820, Loss: 2.28441  
Epoch: 26, Step: 2830, Loss: 4.16206  
Epoch: 26, Step: 2840, Loss: 0.495441  
Epoch: 26, Step: 2850, Loss: 0.373347  
Epoch: 26, Step: 2860, Loss: 0.79364  
Epoch: 26, Step: 2870, Loss: 0.413819  
Epoch: 26, Step: 2880, Loss: 0.308918

Epoch: 26, Step: 2890, Loss: 0.264067  
Epoch: 26, Step: 2900, Loss: 0.264125  
Epoch: 26, Step: 2910, Loss: 0.264197  
Epoch: 26, Step: 2920, Loss: 0.262217  
Epoch: 26, Step: 2930, Loss: 0.261769  
Epoch: 26, Step: 2940, Loss: 0.261752  
Epoch: 26, Step: 2950, Loss: 0.261715  
Epoch: 26, Step: 2960, Loss: 0.261996  
Epoch: 26, Step: 2970, Loss: 0.260933  
Epoch: 26, Step: 2980, Loss: 0.260178  
Epoch: 26, Step: 2990, Loss: 0.259939  
Epoch: 26, Step: 3000, Loss: 0.260206  
Epoch: 26, Step: 3010, Loss: 0.287484  
Epoch: 26, Step: 3020, Loss: 0.305399  
Epoch: 26, Step: 3030, Loss: 3.47305  
Epoch: 26, Step: 3040, Loss: 2.75168  
Epoch: 26, Step: 3050, Loss: 0.302105  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 27, Step: 2700, Loss: 0.395398  
Epoch: 27, Step: 2710, Loss: 0.681347  
Epoch: 27, Step: 2720, Loss: 0.266766  
Epoch: 27, Step: 2730, Loss: 0.284654  
Epoch: 27, Step: 2740, Loss: 0.333134  
Epoch: 27, Step: 2750, Loss: 0.468607  
Epoch: 27, Step: 2760, Loss: 0.285965  
Epoch: 27, Step: 2770, Loss: 0.283982  
Epoch: 27, Step: 2780, Loss: 0.352118  
Epoch: 27, Step: 2790, Loss: 0.727849  
Epoch: 27, Step: 2800, Loss: 0.48111  
Epoch: 27, Step: 2810, Loss: 2.90493  
Epoch: 27, Step: 2820, Loss: 0.825244  
Epoch: 27, Step: 2830, Loss: 0.631686  
Epoch: 27, Step: 2840, Loss: 2.2339  
Epoch: 27, Step: 2850, Loss: 0.274109  
Epoch: 27, Step: 2860, Loss: 0.589221  
Epoch: 27, Step: 2870, Loss: 0.282819  
Epoch: 27, Step: 2880, Loss: 0.260708  
Epoch: 27, Step: 2890, Loss: 0.260422  
Epoch: 27, Step: 2900, Loss: 0.259328  
Epoch: 27, Step: 2910, Loss: 0.261444  
Epoch: 27, Step: 2920, Loss: 0.260033  
Epoch: 27, Step: 2930, Loss: 0.266169  
Epoch: 27, Step: 2940, Loss: 0.26699  
Epoch: 27, Step: 2950, Loss: 0.263018  
Epoch: 27, Step: 2960, Loss: 0.265539  
Epoch: 27, Step: 2970, Loss: 0.272233  
Epoch: 27, Step: 2980, Loss: 0.3003  
Epoch: 27, Step: 2990, Loss: 0.32189



Epoch: 27, Step: 3000, Loss: 0.688561  
Epoch: 27, Step: 3010, Loss: 0.520753  
Epoch: 27, Step: 3020, Loss: 0.307072  
Epoch: 27, Step: 3030, Loss: 0.284416  
Epoch: 27, Step: 3040, Loss: 0.261914  
Epoch: 27, Step: 3050, Loss: 0.285717  
Epoch: 27, Step: 3060, Loss: 0.304154  
Epoch: 27, Step: 3070, Loss: 0.597361  
Epoch: 27, Step: 3080, Loss: 0.334591  
Epoch: 27, Step: 3090, Loss: 0.289606  
Epoch: 27, Step: 3100, Loss: 0.279582  
Epoch: 27, Step: 3110, Loss: 0.26395  
Epoch: 27, Step: 3120, Loss: 0.255704  
Epoch: 27, Step: 3130, Loss: 0.26186  
Epoch: 27, Step: 3140, Loss: 0.282547  
Epoch: 27, Step: 3150, Loss: 0.298237  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 28, Step: 2800, Loss: 0.255086  
Epoch: 28, Step: 2810, Loss: 0.41876  
Epoch: 28, Step: 2820, Loss: 1.86138  
Epoch: 28, Step: 2830, Loss: 1.59318  
Epoch: 28, Step: 2840, Loss: 0.4269  
Epoch: 28, Step: 2850, Loss: 0.264077  
Epoch: 28, Step: 2860, Loss: 0.263214  
Epoch: 28, Step: 2870, Loss: 0.266313  
Epoch: 28, Step: 2880, Loss: 0.260082  
Epoch: 28, Step: 2890, Loss: 0.258332  
Epoch: 28, Step: 2900, Loss: 7.76781  
Epoch: 28, Step: 2910, Loss: 3.69869  
Epoch: 28, Step: 2920, Loss: 0.267906  
Epoch: 28, Step: 2930, Loss: 0.258054  
Epoch: 28, Step: 2940, Loss: 0.251916  
Epoch: 28, Step: 2950, Loss: 0.256548  
Epoch: 28, Step: 2960, Loss: 0.254295  
Epoch: 28, Step: 2970, Loss: 0.260807  
Epoch: 28, Step: 2980, Loss: 0.25489  
Epoch: 28, Step: 2990, Loss: 0.254883  
Epoch: 28, Step: 3000, Loss: 0.250564  
Epoch: 28, Step: 3010, Loss: 0.248822  
Epoch: 28, Step: 3020, Loss: 0.266818  
Epoch: 28, Step: 3030, Loss: 0.265846  
Epoch: 28, Step: 3040, Loss: 0.26851  
Epoch: 28, Step: 3050, Loss: 0.253443  
Epoch: 28, Step: 3060, Loss: 0.24798  
Epoch: 28, Step: 3070, Loss: 0.270399  
Epoch: 28, Step: 3080, Loss: 0.30882  
Epoch: 28, Step: 3090, Loss: 0.268073  
Epoch: 28, Step: 3100, Loss: 0.249871

Epoch: 28, Step: 3110, Loss: 0.251075  
Epoch: 28, Step: 3120, Loss: 0.251701  
Epoch: 28, Step: 3130, Loss: 0.27351  
Epoch: 28, Step: 3140, Loss: 0.267514  
Epoch: 28, Step: 3150, Loss: 0.250975  
Epoch: 28, Step: 3160, Loss: 0.253469  
Epoch: 28, Step: 3170, Loss: 0.271611  
Epoch: 28, Step: 3180, Loss: 0.283917  
Epoch: 28, Step: 3190, Loss: 0.626103  
Epoch: 28, Step: 3200, Loss: 0.817517  
Epoch: 28, Step: 3210, Loss: 1.26997  
Epoch: 28, Step: 3220, Loss: 4.5236  
Epoch: 28, Step: 3230, Loss: 1.29764  
Epoch: 28, Step: 3240, Loss: 0.260255  
Epoch: 28, Step: 3250, Loss: 0.251471  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 29, Step: 2900, Loss: 1.10321  
Epoch: 29, Step: 2910, Loss: 0.274815  
Epoch: 29, Step: 2920, Loss: 0.260427  
Epoch: 29, Step: 2930, Loss: 0.321597  
Epoch: 29, Step: 2940, Loss: 0.32946  
Epoch: 29, Step: 2950, Loss: 0.24541  
Epoch: 29, Step: 2960, Loss: 0.24446  
Epoch: 29, Step: 2970, Loss: 0.325864  
Epoch: 29, Step: 2980, Loss: 0.275883  
Epoch: 29, Step: 2990, Loss: 0.249097  
Epoch: 29, Step: 3000, Loss: 0.348345  
Epoch: 29, Step: 3010, Loss: 0.280068  
Epoch: 29, Step: 3020, Loss: 0.394753  
Epoch: 29, Step: 3030, Loss: 0.256511  
Epoch: 29, Step: 3040, Loss: 0.288713  
Epoch: 29, Step: 3050, Loss: 0.251072  
Epoch: 29, Step: 3060, Loss: 0.254427  
Epoch: 29, Step: 3070, Loss: 0.295374  
Epoch: 29, Step: 3080, Loss: 0.415647  
Epoch: 29, Step: 3090, Loss: 0.451408  
Epoch: 29, Step: 3100, Loss: 0.513695  
Epoch: 29, Step: 3110, Loss: 0.445187  
Epoch: 29, Step: 3120, Loss: 0.252701  
Epoch: 29, Step: 3130, Loss: 0.255599  
Epoch: 29, Step: 3140, Loss: 0.248507  
Epoch: 29, Step: 3150, Loss: 0.272725  
Epoch: 29, Step: 3160, Loss: 0.244718  
Epoch: 29, Step: 3170, Loss: 0.248539  
Epoch: 29, Step: 3180, Loss: 0.352848  
Epoch: 29, Step: 3190, Loss: 0.953672  
Epoch: 29, Step: 3200, Loss: 1.02673  
Epoch: 29, Step: 3210, Loss: 1.01492

Epoch: 29, Step: 3220, Loss: 0.827347  
Epoch: 29, Step: 3230, Loss: 0.309024  
Epoch: 29, Step: 3240, Loss: 0.284707  
Epoch: 29, Step: 3250, Loss: 0.315257  
Epoch: 29, Step: 3260, Loss: 0.309402  
Epoch: 29, Step: 3270, Loss: 0.347076  
Epoch: 29, Step: 3280, Loss: 0.28975  
Epoch: 29, Step: 3290, Loss: 0.520783  
Epoch: 29, Step: 3300, Loss: 0.24558  
Epoch: 29, Step: 3310, Loss: 0.244325  
Epoch: 29, Step: 3320, Loss: 0.257621  
Epoch: 29, Step: 3330, Loss: 0.265459  
Epoch: 29, Step: 3340, Loss: 0.274182  
Epoch: 29, Step: 3350, Loss: 0.241434  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 30, Step: 3000, Loss: 0.325756  
Epoch: 30, Step: 3010, Loss: 0.557911  
Epoch: 30, Step: 3020, Loss: 0.29104  
Epoch: 30, Step: 3030, Loss: 0.388657  
Epoch: 30, Step: 3040, Loss: 0.238576  
Epoch: 30, Step: 3050, Loss: 0.237615  
Epoch: 30, Step: 3060, Loss: 0.237877  
Epoch: 30, Step: 3070, Loss: 0.240699  
Epoch: 30, Step: 3080, Loss: 0.244443  
Epoch: 30, Step: 3090, Loss: 4.71581  
Epoch: 30, Step: 3100, Loss: 1.46573  
Epoch: 30, Step: 3110, Loss: 0.258352  
Epoch: 30, Step: 3120, Loss: 0.277112  
Epoch: 30, Step: 3130, Loss: 0.251328  
Epoch: 30, Step: 3140, Loss: 0.254876  
Epoch: 30, Step: 3150, Loss: 0.247935  
Epoch: 30, Step: 3160, Loss: 0.589475  
Epoch: 30, Step: 3170, Loss: 0.454653  
Epoch: 30, Step: 3180, Loss: 0.312619  
Epoch: 30, Step: 3190, Loss: 0.9577  
Epoch: 30, Step: 3200, Loss: 0.74048  
Epoch: 30, Step: 3210, Loss: 4.01234  
Epoch: 30, Step: 3220, Loss: 0.305717  
Epoch: 30, Step: 3230, Loss: 0.504379  
Epoch: 30, Step: 3240, Loss: 0.701371  
Epoch: 30, Step: 3250, Loss: 0.238701  
Epoch: 30, Step: 3260, Loss: 0.243614  
Epoch: 30, Step: 3270, Loss: 0.789079  
Epoch: 30, Step: 3280, Loss: 0.274741  
Epoch: 30, Step: 3290, Loss: 0.241636  
Epoch: 30, Step: 3300, Loss: 0.237848  
Epoch: 30, Step: 3310, Loss: 0.233644  
Epoch: 30, Step: 3320, Loss: 0.285096

Epoch: 30, Step: 3330, Loss: 0.242412  
Epoch: 30, Step: 3340, Loss: 0.236878  
Epoch: 30, Step: 3350, Loss: 0.238138  
Epoch: 30, Step: 3360, Loss: 0.249336  
Epoch: 30, Step: 3370, Loss: 0.246401  
Epoch: 30, Step: 3380, Loss: 0.236411  
Epoch: 30, Step: 3390, Loss: 0.300235  
Epoch: 30, Step: 3400, Loss: 0.256994  
Epoch: 30, Step: 3410, Loss: 5.67647  
Epoch: 30, Step: 3420, Loss: 0.385885  
Epoch: 30, Step: 3430, Loss: 0.233925  
Epoch: 30, Step: 3440, Loss: 0.247429  
Epoch: 30, Step: 3450, Loss: 0.441551  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 31, Step: 3100, Loss: 0.25861  
Epoch: 31, Step: 3110, Loss: 0.250523  
Epoch: 31, Step: 3120, Loss: 0.358838  
Epoch: 31, Step: 3130, Loss: 0.298366  
Epoch: 31, Step: 3140, Loss: 0.231278  
Epoch: 31, Step: 3150, Loss: 0.27667  
Epoch: 31, Step: 3160, Loss: 0.297983  
Epoch: 31, Step: 3170, Loss: 0.251414  
Epoch: 31, Step: 3180, Loss: 0.431863  
Epoch: 31, Step: 3190, Loss: 0.475362  
Epoch: 31, Step: 3200, Loss: 0.421896  
Epoch: 31, Step: 3210, Loss: 0.515515  
Epoch: 31, Step: 3220, Loss: 0.60662  
Epoch: 31, Step: 3230, Loss: 1.55853  
Epoch: 31, Step: 3240, Loss: 1.69395  
Epoch: 31, Step: 3250, Loss: 1.44265  
Epoch: 31, Step: 3260, Loss: 0.256265  
Epoch: 31, Step: 3270, Loss: 0.253629  
Epoch: 31, Step: 3280, Loss: 0.261496  
Epoch: 31, Step: 3290, Loss: 0.234517  
Epoch: 31, Step: 3300, Loss: 0.266618  
Epoch: 31, Step: 3310, Loss: 0.237855  
Epoch: 31, Step: 3320, Loss: 0.234467  
Epoch: 31, Step: 3330, Loss: 0.243761  
Epoch: 31, Step: 3340, Loss: 0.239792  
Epoch: 31, Step: 3350, Loss: 0.267918  
Epoch: 31, Step: 3360, Loss: 0.259653  
Epoch: 31, Step: 3370, Loss: 0.531905  
Epoch: 31, Step: 3380, Loss: 0.491666  
Epoch: 31, Step: 3390, Loss: 0.396161  
Epoch: 31, Step: 3400, Loss: 0.249058  
Epoch: 31, Step: 3410, Loss: 0.241308  
Epoch: 31, Step: 3420, Loss: 0.241662  
Epoch: 31, Step: 3430, Loss: 0.265258

Epoch: 31, Step: 3440, Loss: 0.30759  
Epoch: 31, Step: 3450, Loss: 0.321033  
Epoch: 31, Step: 3460, Loss: 0.265145  
Epoch: 31, Step: 3470, Loss: 0.260821  
Epoch: 31, Step: 3480, Loss: 0.229719  
Epoch: 31, Step: 3490, Loss: 0.286874  
Epoch: 31, Step: 3500, Loss: 0.229669  
Epoch: 31, Step: 3510, Loss: 0.250837  
Epoch: 31, Step: 3520, Loss: 0.249569  
Epoch: 31, Step: 3530, Loss: 0.261671  
Epoch: 31, Step: 3540, Loss: 0.239442  
Epoch: 31, Step: 3550, Loss: 0.260997  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 32, Step: 3200, Loss: 0.529689  
Epoch: 32, Step: 3210, Loss: 0.394936  
Epoch: 32, Step: 3220, Loss: 0.424709  
Epoch: 32, Step: 3230, Loss: 0.240716  
Epoch: 32, Step: 3240, Loss: 0.244438  
Epoch: 32, Step: 3250, Loss: 0.236936  
Epoch: 32, Step: 3260, Loss: 0.235564  
Epoch: 32, Step: 3270, Loss: 0.248728  
Epoch: 32, Step: 3280, Loss: 9.21547  
Epoch: 32, Step: 3290, Loss: 0.843992  
Epoch: 32, Step: 3300, Loss: 0.770748  
Epoch: 32, Step: 3310, Loss: 0.238719  
Epoch: 32, Step: 3320, Loss: 0.297379  
Epoch: 32, Step: 3330, Loss: 0.234536  
Epoch: 32, Step: 3340, Loss: 0.314812  
Epoch: 32, Step: 3350, Loss: 0.236576  
Epoch: 32, Step: 3360, Loss: 0.244424  
Epoch: 32, Step: 3370, Loss: 0.23166  
Epoch: 32, Step: 3380, Loss: 0.238607  
Epoch: 32, Step: 3390, Loss: 0.354469  
Epoch: 32, Step: 3400, Loss: 0.245697  
Epoch: 32, Step: 3410, Loss: 0.250916  
Epoch: 32, Step: 3420, Loss: 0.245634  
Epoch: 32, Step: 3430, Loss: 0.225173  
Epoch: 32, Step: 3440, Loss: 0.223896  
Epoch: 32, Step: 3450, Loss: 0.226758  
Epoch: 32, Step: 3460, Loss: 0.232038  
Epoch: 32, Step: 3470, Loss: 0.231091  
Epoch: 32, Step: 3480, Loss: 0.22647  
Epoch: 32, Step: 3490, Loss: 0.227807  
Epoch: 32, Step: 3500, Loss: 0.358594  
Epoch: 32, Step: 3510, Loss: 0.257974  
Epoch: 32, Step: 3520, Loss: 0.226764  
Epoch: 32, Step: 3530, Loss: 0.224561  
Epoch: 32, Step: 3540, Loss: 0.228152

Epoch: 32, Step: 3550, Loss: 0.252369  
Epoch: 32, Step: 3560, Loss: 0.249288  
Epoch: 32, Step: 3570, Loss: 0.229879  
Epoch: 32, Step: 3580, Loss: 1.31414  
Epoch: 32, Step: 3590, Loss: 2.34149  
Epoch: 32, Step: 3600, Loss: 10.0532  
Epoch: 32, Step: 3610, Loss: 0.802942  
Epoch: 32, Step: 3620, Loss: 0.343603  
Epoch: 32, Step: 3630, Loss: 0.64722  
Epoch: 32, Step: 3640, Loss: 0.366252  
Epoch: 32, Step: 3650, Loss: 0.251069  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 33, Step: 3300, Loss: 0.235405  
Epoch: 33, Step: 3310, Loss: 0.372228  
Epoch: 33, Step: 3320, Loss: 0.251193  
Epoch: 33, Step: 3330, Loss: 0.280235  
Epoch: 33, Step: 3340, Loss: 0.678465  
Epoch: 33, Step: 3350, Loss: 0.523263  
Epoch: 33, Step: 3360, Loss: 0.530037  
Epoch: 33, Step: 3370, Loss: 0.491626  
Epoch: 33, Step: 3380, Loss: 0.329468  
Epoch: 33, Step: 3390, Loss: 0.284793  
Epoch: 33, Step: 3400, Loss: 0.271625  
Epoch: 33, Step: 3410, Loss: 0.238168  
Epoch: 33, Step: 3420, Loss: 0.251392  
Epoch: 33, Step: 3430, Loss: 0.2312  
Epoch: 33, Step: 3440, Loss: 0.220084  
Epoch: 33, Step: 3450, Loss: 0.219925  
Epoch: 33, Step: 3460, Loss: 0.218973  
Epoch: 33, Step: 3470, Loss: 0.227664  
Epoch: 33, Step: 3480, Loss: 0.224635  
Epoch: 33, Step: 3490, Loss: 0.225082  
Epoch: 33, Step: 3500, Loss: 0.225629  
Epoch: 33, Step: 3510, Loss: 0.230246  
Epoch: 33, Step: 3520, Loss: 0.237207  
Epoch: 33, Step: 3530, Loss: 0.223649  
Epoch: 33, Step: 3540, Loss: 0.247145  
Epoch: 33, Step: 3550, Loss: 0.237194  
Epoch: 33, Step: 3560, Loss: 0.335806  
Epoch: 33, Step: 3570, Loss: 0.256007  
Epoch: 33, Step: 3580, Loss: 0.270266  
Epoch: 33, Step: 3590, Loss: 0.520266  
Epoch: 33, Step: 3600, Loss: 0.66058  
Epoch: 33, Step: 3610, Loss: 0.911464  
Epoch: 33, Step: 3620, Loss: 0.36242  
Epoch: 33, Step: 3630, Loss: 0.351195  
Epoch: 33, Step: 3640, Loss: 0.362825  
Epoch: 33, Step: 3650, Loss: 0.252434

Epoch: 33, Step: 3660, Loss: 0.566863  
Epoch: 33, Step: 3670, Loss: 0.217113  
Epoch: 33, Step: 3680, Loss: 0.222285  
Epoch: 33, Step: 3690, Loss: 0.219919  
Epoch: 33, Step: 3700, Loss: 0.260339  
Epoch: 33, Step: 3710, Loss: 0.286029  
Epoch: 33, Step: 3720, Loss: 0.248937  
Epoch: 33, Step: 3730, Loss: 0.227391  
Epoch: 33, Step: 3740, Loss: 0.703579  
Epoch: 33, Step: 3750, Loss: 0.827262  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 34, Step: 3400, Loss: 0.473114  
Epoch: 34, Step: 3410, Loss: 0.311065  
Epoch: 34, Step: 3420, Loss: 0.22384  
Epoch: 34, Step: 3430, Loss: 0.222508  
Epoch: 34, Step: 3440, Loss: 0.222925  
Epoch: 34, Step: 3450, Loss: 0.221644  
Epoch: 34, Step: 3460, Loss: 0.288353  
Epoch: 34, Step: 3470, Loss: 6.54591  
Epoch: 34, Step: 3480, Loss: 0.304925  
Epoch: 34, Step: 3490, Loss: 0.244759  
Epoch: 34, Step: 3500, Loss: 0.396998  
Epoch: 34, Step: 3510, Loss: 0.233032  
Epoch: 34, Step: 3520, Loss: 0.230942  
Epoch: 34, Step: 3530, Loss: 0.38627  
Epoch: 34, Step: 3540, Loss: 0.311521  
Epoch: 34, Step: 3550, Loss: 0.243104  
Epoch: 34, Step: 3560, Loss: 0.22075  
Epoch: 34, Step: 3570, Loss: 0.370606  
Epoch: 34, Step: 3580, Loss: 1.01205  
Epoch: 34, Step: 3590, Loss: 0.458672  
Epoch: 34, Step: 3600, Loss: 1.06051  
Epoch: 34, Step: 3610, Loss: 0.462749  
Epoch: 34, Step: 3620, Loss: 0.997705  
Epoch: 34, Step: 3630, Loss: 0.218792  
Epoch: 34, Step: 3640, Loss: 0.21413  
Epoch: 34, Step: 3650, Loss: 0.243615  
Epoch: 34, Step: 3660, Loss: 0.213509  
Epoch: 34, Step: 3670, Loss: 0.214511  
Epoch: 34, Step: 3680, Loss: 0.214054  
Epoch: 34, Step: 3690, Loss: 1.21731  
Epoch: 34, Step: 3700, Loss: 0.588555  
Epoch: 34, Step: 3710, Loss: 1.19611  
Epoch: 34, Step: 3720, Loss: 0.51931  
Epoch: 34, Step: 3730, Loss: 0.228403  
Epoch: 34, Step: 3740, Loss: 0.215697  
Epoch: 34, Step: 3750, Loss: 0.22379  
Epoch: 34, Step: 3760, Loss: 0.216687

Epoch: 34, Step: 3770, Loss: 0.290986  
Epoch: 34, Step: 3780, Loss: 2.05034  
Epoch: 34, Step: 3790, Loss: 3.84315  
Epoch: 34, Step: 3800, Loss: 0.23788  
Epoch: 34, Step: 3810, Loss: 0.218121  
Epoch: 34, Step: 3820, Loss: 0.229163  
Epoch: 34, Step: 3830, Loss: 0.225899  
Epoch: 34, Step: 3840, Loss: 0.229754  
Epoch: 34, Step: 3850, Loss: 0.237993  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 35, Step: 3500, Loss: 0.223659  
Epoch: 35, Step: 3510, Loss: 0.212425  
Epoch: 35, Step: 3520, Loss: 0.212934  
Epoch: 35, Step: 3530, Loss: 0.274646  
Epoch: 35, Step: 3540, Loss: 0.356313  
Epoch: 35, Step: 3550, Loss: 0.260737  
Epoch: 35, Step: 3560, Loss: 0.255697  
Epoch: 35, Step: 3570, Loss: 0.220389  
Epoch: 35, Step: 3580, Loss: 0.361684  
Epoch: 35, Step: 3590, Loss: 0.241702  
Epoch: 35, Step: 3600, Loss: 0.438427  
Epoch: 35, Step: 3610, Loss: 2.67383  
Epoch: 35, Step: 3620, Loss: 1.88358  
Epoch: 35, Step: 3630, Loss: 0.766306  
Epoch: 35, Step: 3640, Loss: 2.28859  
Epoch: 35, Step: 3650, Loss: 4.93871  
Epoch: 35, Step: 3660, Loss: 5.68209  
Epoch: 35, Step: 3670, Loss: 5.90904  
Epoch: 35, Step: 3680, Loss: 4.69199  
Epoch: 35, Step: 3690, Loss: 0.265743  
Epoch: 35, Step: 3700, Loss: 0.214266  
Epoch: 35, Step: 3710, Loss: 0.228992  
Epoch: 35, Step: 3720, Loss: 0.213974  
Epoch: 35, Step: 3730, Loss: 0.226916  
Epoch: 35, Step: 3740, Loss: 1.01749  
Epoch: 35, Step: 3750, Loss: 0.798728  
Epoch: 35, Step: 3760, Loss: 0.777883  
Epoch: 35, Step: 3770, Loss: 0.302748  
Epoch: 35, Step: 3780, Loss: 0.290651  
Epoch: 35, Step: 3790, Loss: 0.220742  
Epoch: 35, Step: 3800, Loss: 0.22436  
Epoch: 35, Step: 3810, Loss: 0.289308  
Epoch: 35, Step: 3820, Loss: 0.29186  
Epoch: 35, Step: 3830, Loss: 0.333201  
Epoch: 35, Step: 3840, Loss: 0.22694  
Epoch: 35, Step: 3850, Loss: 0.243709  
Epoch: 35, Step: 3860, Loss: 0.210761  
Epoch: 35, Step: 3870, Loss: 0.216878



Epoch: 35, Step: 3880, Loss: 0.211026  
Epoch: 35, Step: 3890, Loss: 0.226418  
Epoch: 35, Step: 3900, Loss: 0.230633  
Epoch: 35, Step: 3910, Loss: 0.212685  
Epoch: 35, Step: 3920, Loss: 0.223832  
Epoch: 35, Step: 3930, Loss: 0.303551  
Epoch: 35, Step: 3940, Loss: 0.310165  
Epoch: 35, Step: 3950, Loss: 0.410715  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 36, Step: 3600, Loss: 0.271001  
Epoch: 36, Step: 3610, Loss: 0.23017  
Epoch: 36, Step: 3620, Loss: 0.225267  
Epoch: 36, Step: 3630, Loss: 0.22749  
Epoch: 36, Step: 3640, Loss: 0.218433  
Epoch: 36, Step: 3650, Loss: 2.83645  
Epoch: 36, Step: 3660, Loss: 9.23519  
Epoch: 36, Step: 3670, Loss: 0.268226  
Epoch: 36, Step: 3680, Loss: 0.574116  
Epoch: 36, Step: 3690, Loss: 0.333228  
Epoch: 36, Step: 3700, Loss: 0.266295  
Epoch: 36, Step: 3710, Loss: 0.215145  
Epoch: 36, Step: 3720, Loss: 0.663434  
Epoch: 36, Step: 3730, Loss: 0.719135  
Epoch: 36, Step: 3740, Loss: 0.255169  
Epoch: 36, Step: 3750, Loss: 0.224389  
Epoch: 36, Step: 3760, Loss: 0.519064  
Epoch: 36, Step: 3770, Loss: 1.40566  
Epoch: 36, Step: 3780, Loss: 0.22604  
Epoch: 36, Step: 3790, Loss: 0.234889  
Epoch: 36, Step: 3800, Loss: 0.214676  
Epoch: 36, Step: 3810, Loss: 0.20757  
Epoch: 36, Step: 3820, Loss: 0.206739  
Epoch: 36, Step: 3830, Loss: 0.205495  
Epoch: 36, Step: 3840, Loss: 0.212147  
Epoch: 36, Step: 3850, Loss: 0.206892  
Epoch: 36, Step: 3860, Loss: 0.209833  
Epoch: 36, Step: 3870, Loss: 0.21072  
Epoch: 36, Step: 3880, Loss: 0.278328  
Epoch: 36, Step: 3890, Loss: 0.219622  
Epoch: 36, Step: 3900, Loss: 0.21746  
Epoch: 36, Step: 3910, Loss: 0.212353  
Epoch: 36, Step: 3920, Loss: 0.237494  
Epoch: 36, Step: 3930, Loss: 0.28796  
Epoch: 36, Step: 3940, Loss: 0.273121  
Epoch: 36, Step: 3950, Loss: 0.226679  
Epoch: 36, Step: 3960, Loss: 0.497905  
Epoch: 36, Step: 3970, Loss: 3.92914  
Epoch: 36, Step: 3980, Loss: 5.96379

Epoch: 36, Step: 3990, Loss: 1.9275  
Epoch: 36, Step: 4000, Loss: 4.82289  
Epoch: 36, Step: 4010, Loss: 5.03506  
Epoch: 36, Step: 4020, Loss: 0.245343  
Epoch: 36, Step: 4030, Loss: 0.226739  
Epoch: 36, Step: 4040, Loss: 0.249857  
Epoch: 36, Step: 4050, Loss: 0.314373  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 37, Step: 3700, Loss: 0.208251  
Epoch: 37, Step: 3710, Loss: 0.209487  
Epoch: 37, Step: 3720, Loss: 0.23968  
Epoch: 37, Step: 3730, Loss: 0.63757  
Epoch: 37, Step: 3740, Loss: 0.447047  
Epoch: 37, Step: 3750, Loss: 0.226756  
Epoch: 37, Step: 3760, Loss: 0.223881  
Epoch: 37, Step: 3770, Loss: 0.338443  
Epoch: 37, Step: 3780, Loss: 1.0013  
Epoch: 37, Step: 3790, Loss: 1.26346  
Epoch: 37, Step: 3800, Loss: 0.538322  
Epoch: 37, Step: 3810, Loss: 0.428275  
Epoch: 37, Step: 3820, Loss: 0.247682  
Epoch: 37, Step: 3830, Loss: 0.293597  
Epoch: 37, Step: 3840, Loss: 0.398943  
Epoch: 37, Step: 3850, Loss: 0.314234  
Epoch: 37, Step: 3860, Loss: 0.349995  
Epoch: 37, Step: 3870, Loss: 0.207136  
Epoch: 37, Step: 3880, Loss: 0.229352  
Epoch: 37, Step: 3890, Loss: 0.209072  
Epoch: 37, Step: 3900, Loss: 0.218221  
Epoch: 37, Step: 3910, Loss: 0.215589  
Epoch: 37, Step: 3920, Loss: 0.237056  
Epoch: 37, Step: 3930, Loss: 0.251253  
Epoch: 37, Step: 3940, Loss: 0.465363  
Epoch: 37, Step: 3950, Loss: 0.305378  
Epoch: 37, Step: 3960, Loss: 0.216419  
Epoch: 37, Step: 3970, Loss: 0.230904  
Epoch: 37, Step: 3980, Loss: 0.217319  
Epoch: 37, Step: 3990, Loss: 0.260944  
Epoch: 37, Step: 4000, Loss: 0.287552  
Epoch: 37, Step: 4010, Loss: 0.269449  
Epoch: 37, Step: 4020, Loss: 0.357691  
Epoch: 37, Step: 4030, Loss: 0.596779  
Epoch: 37, Step: 4040, Loss: 0.271232  
Epoch: 37, Step: 4050, Loss: 0.202452  
Epoch: 37, Step: 4060, Loss: 0.20058  
Epoch: 37, Step: 4070, Loss: 0.204907  
Epoch: 37, Step: 4080, Loss: 0.225296  
Epoch: 37, Step: 4090, Loss: 0.250059

Epoch: 37, Step: 4100, Loss: 0.200995  
Epoch: 37, Step: 4110, Loss: 0.730293  
Epoch: 37, Step: 4120, Loss: 1.57181  
Epoch: 37, Step: 4130, Loss: 0.612119  
Epoch: 37, Step: 4140, Loss: 0.411272  
Epoch: 37, Step: 4150, Loss: 0.238629  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 38, Step: 3800, Loss: 0.223611  
Epoch: 38, Step: 3810, Loss: 0.217923  
Epoch: 38, Step: 3820, Loss: 0.212048  
Epoch: 38, Step: 3830, Loss: 0.203452  
Epoch: 38, Step: 3840, Loss: 4.27019  
Epoch: 38, Step: 3850, Loss: 4.1454  
Epoch: 38, Step: 3860, Loss: 0.266648  
Epoch: 38, Step: 3870, Loss: 0.323594  
Epoch: 38, Step: 3880, Loss: 0.297045  
Epoch: 38, Step: 3890, Loss: 0.212248  
Epoch: 38, Step: 3900, Loss: 0.212841  
Epoch: 38, Step: 3910, Loss: 0.56499  
Epoch: 38, Step: 3920, Loss: 0.451732  
Epoch: 38, Step: 3930, Loss: 0.209106  
Epoch: 38, Step: 3940, Loss: 0.20494  
Epoch: 38, Step: 3950, Loss: 0.213821  
Epoch: 38, Step: 3960, Loss: 0.484257  
Epoch: 38, Step: 3970, Loss: 0.255712  
Epoch: 38, Step: 3980, Loss: 0.359226  
Epoch: 38, Step: 3990, Loss: 0.205985  
Epoch: 38, Step: 4000, Loss: 0.22893  
Epoch: 38, Step: 4010, Loss: 0.247448  
Epoch: 38, Step: 4020, Loss: 0.233749  
Epoch: 38, Step: 4030, Loss: 0.415535  
Epoch: 38, Step: 4040, Loss: 0.198836  
Epoch: 38, Step: 4050, Loss: 0.203316  
Epoch: 38, Step: 4060, Loss: 0.203594  
Epoch: 38, Step: 4070, Loss: 1.05011  
Epoch: 38, Step: 4080, Loss: 0.469859  
Epoch: 38, Step: 4090, Loss: 0.286086  
Epoch: 38, Step: 4100, Loss: 0.196372  
Epoch: 38, Step: 4110, Loss: 0.202241  
Epoch: 38, Step: 4120, Loss: 0.206741  
Epoch: 38, Step: 4130, Loss: 0.257864  
Epoch: 38, Step: 4140, Loss: 0.278745  
Epoch: 38, Step: 4150, Loss: 0.855827  
Epoch: 38, Step: 4160, Loss: 3.923  
Epoch: 38, Step: 4170, Loss: 1.17966  
Epoch: 38, Step: 4180, Loss: 0.208601  
Epoch: 38, Step: 4190, Loss: 0.207175  
Epoch: 38, Step: 4200, Loss: 0.226175

Epoch: 38, Step: 4210, Loss: 0.214677  
Epoch: 38, Step: 4220, Loss: 0.204251  
Epoch: 38, Step: 4230, Loss: 0.267281  
Epoch: 38, Step: 4240, Loss: 0.327753  
Epoch: 38, Step: 4250, Loss: 0.215742  
Model saved in file: ./saveassign\model.ckpt  
Epoch: 39, Step: 3900, Loss: 0.284902  
Epoch: 39, Step: 3910, Loss: 0.438224  
Epoch: 39, Step: 3920, Loss: 0.489397  
Epoch: 39, Step: 3930, Loss: 0.379539  
Epoch: 39, Step: 3940, Loss: 0.326942  
Epoch: 39, Step: 3950, Loss: 0.211969  
Epoch: 39, Step: 3960, Loss: 0.237606  
Epoch: 39, Step: 3970, Loss: 0.284967  
Epoch: 39, Step: 3980, Loss: 0.633162  
Epoch: 39, Step: 3990, Loss: 0.318798  
Epoch: 39, Step: 4000, Loss: 0.594491  
Epoch: 39, Step: 4010, Loss: 1.11568  
Epoch: 39, Step: 4020, Loss: 2.9506  
Epoch: 39, Step: 4030, Loss: 3.49098  
Epoch: 39, Step: 4040, Loss: 3.35321  
Epoch: 39, Step: 4050, Loss: 1.34064  
Epoch: 39, Step: 4060, Loss: 0.212693  
Epoch: 39, Step: 4070, Loss: 0.19527  
Epoch: 39, Step: 4080, Loss: 0.198047  
Epoch: 39, Step: 4090, Loss: 0.205843  
Epoch: 39, Step: 4100, Loss: 0.253037  
Epoch: 39, Step: 4110, Loss: 0.29241  
Epoch: 39, Step: 4120, Loss: 0.388749  
Epoch: 39, Step: 4130, Loss: 0.667886  
Epoch: 39, Step: 4140, Loss: 0.48413  
Epoch: 39, Step: 4150, Loss: 0.28572  
Epoch: 39, Step: 4160, Loss: 0.242529  
Epoch: 39, Step: 4170, Loss: 0.204579  
Epoch: 39, Step: 4180, Loss: 0.260118  
Epoch: 39, Step: 4190, Loss: 0.768507  
Epoch: 39, Step: 4200, Loss: 1.59567  
Epoch: 39, Step: 4210, Loss: 0.578617  
Epoch: 39, Step: 4220, Loss: 0.29389  
Epoch: 39, Step: 4230, Loss: 0.19686  
Epoch: 39, Step: 4240, Loss: 0.197828  
Epoch: 39, Step: 4250, Loss: 0.190592  
Epoch: 39, Step: 4260, Loss: 0.20073  
Epoch: 39, Step: 4270, Loss: 0.22227  
Epoch: 39, Step: 4280, Loss: 0.248926  
Epoch: 39, Step: 4290, Loss: 0.193216  
Epoch: 39, Step: 4300, Loss: 0.261167  
Epoch: 39, Step: 4310, Loss: 0.70452

Epoch: 39, Step: 4320, Loss: 0.333645  
 Epoch: 39, Step: 4330, Loss: 0.472472  
 Epoch: 39, Step: 4340, Loss: 0.284403  
 Epoch: 39, Step: 4350, Loss: 0.323785  
 Model saved in file: ./saveassign\model.ckpt  
 Run the command line:  
 --> tensorboard --logdir=./logs  
 Then open <http://0.0.0.0:6006/> into your web browser

## 0.0.2 Model 2

Model with Linear function, dropout of 0.5 and 70-30 data split

```
In [1]: import scipy.misc
import random

xs = []
ys = []

#points to the end of the last batch
train_batch_pointer = 0
val_batch_pointer = 0

#read data.txt
with open("driving_dataset/data.txt") as f:
    for line in f:
        xs.append("driving_dataset/" + line.split()[0])
        #the paper by Nvidia uses the inverse of the turning radius,
        #but steering wheel angle is proportional to the inverse of turning radius
        #so the steering wheel angle in radians is used as the output
        ys.append(float(line.split()[1]) * scipy.pi / 180)

#get number of images
num_images = len(xs)

train_xs = xs[:int(len(xs) * 0.7)]
train_ys = ys[:int(len(xs) * 0.7)]

val_xs = xs[-int(len(xs) * 0.3):]
val_ys = ys[-int(len(xs) * 0.3):]

num_train_images = len(train_xs)
num_val_images = len(val_xs)

def LoadTrainBatch(batch_size):
    global train_batch_pointer
```

```

x_out = []
y_out = []
for i in range(0, batch_size):
    x_out.append(scipy.misc.imread(train_xs[(train_batch_pointer + i) % num_train_images]))
    y_out.append([train_ys[(train_batch_pointer + i) % num_train_images]])
    train_batch_pointer += batch_size
return x_out, y_out

def LoadValBatch(batch_size):
    global val_batch_pointer
    x_out = []
    y_out = []
    for i in range(0, batch_size):
        x_out.append(scipy.misc.imread(val_xs[(val_batch_pointer + i) % num_val_images]))
        y_out.append([val_ys[(val_batch_pointer + i) % num_val_images]])
        val_batch_pointer += batch_size
    return x_out, y_out

```

In [ ]:

```

In [2]: # %load model.py
import tensorflow as tf
import scipy
# model with dropout 0.5
class model_2():
    def weight_variable(shape):
        initial = tf.truncated_normal(shape, stddev=0.1)
        return tf.Variable(initial)

    def bias_variable(shape):
        initial = tf.constant(0.1, shape=shape)
        return tf.Variable(initial)

    def conv2d(x, W, stride):
        return tf.nn.conv2d(x, W, strides=[1, stride, stride, 1], padding='VALID')

x = tf.placeholder(tf.float32, shape=[None, 66, 200, 3])
y_ = tf.placeholder(tf.float32, shape=[None, 1])

x_image = x

#first convolutional layer
W_conv1 = weight_variable([5, 5, 3, 24])
b_conv1 = bias_variable([24])

h_conv1 = tf.nn.relu(conv2d(x_image, W_conv1, 2) + b_conv1)

#second convolutional layer

```

```

W_conv2 = weight_variable([5, 5, 24, 36])
b_conv2 = bias_variable([36])

h_conv2 = tf.nn.relu(conv2d(h_conv1, W_conv2, 2) + b_conv2)

#third convolutional layer
W_conv3 = weight_variable([5, 5, 36, 48])
b_conv3 = bias_variable([48])

h_conv3 = tf.nn.relu(conv2d(h_conv2, W_conv3, 2) + b_conv3)

#fourth convolutional layer
W_conv4 = weight_variable([3, 3, 48, 64])
b_conv4 = bias_variable([64])

h_conv4 = tf.nn.relu(conv2d(h_conv3, W_conv4, 1) + b_conv4)

#fifth convolutional layer
W_conv5 = weight_variable([3, 3, 64, 64])
b_conv5 = bias_variable([64])

h_conv5 = tf.nn.relu(conv2d(h_conv4, W_conv5, 1) + b_conv5)

#FCL 1
W_fc1 = weight_variable([1152, 1164])
b_fc1 = bias_variable([1164])

h_conv5_flat = tf.reshape(h_conv5, [-1, 1152])
h_fc1 = tf.nn.relu(tf.matmul(h_conv5_flat, W_fc1) + b_fc1)

keep_prob = tf.placeholder(tf.float32)
h_fc1_drop = tf.nn.dropout(h_fc1, keep_prob)

#FCL 2
W_fc2 = weight_variable([1164, 100])
b_fc2 = bias_variable([100])

h_fc2 = tf.nn.relu(tf.matmul(h_fc1_drop, W_fc2) + b_fc2)

h_fc2_drop = tf.nn.dropout(h_fc2, keep_prob)

#FCL 3
W_fc3 = weight_variable([100, 50])
b_fc3 = bias_variable([50])

h_fc3 = tf.nn.relu(tf.matmul(h_fc2_drop, W_fc3) + b_fc3)

h_fc3_drop = tf.nn.dropout(h_fc3, keep_prob)

```

```

    #FCL 3
    W_fc4 = weight_variable([50, 10])
    b_fc4 = bias_variable([10])

    h_fc4 = tf.nn.relu(tf.matmul(h_fc3_drop, W_fc4) + b_fc4)

    h_fc4_drop = tf.nn.dropout(h_fc4, keep_prob)

    #Output
    W_fc5 = weight_variable([10, 1])
    b_fc5 = bias_variable([1])

    y = tf.matmul(h_fc4_drop, W_fc5) + b_fc5 #scale the atan output

In [2]: # %load model.py
import tensorflow as tf
import scipy
# model with dropout 0.5
class model_3():
    def weight_variable(shape):
        initial = tf.truncated_normal(shape, stddev=0.1)
        return tf.Variable(initial)

    def bias_variable(shape):
        initial = tf.constant(0.1, shape=shape)
        return tf.Variable(initial)

    def conv2d(x, W, stride):
        return tf.nn.conv2d(x, W, strides=[1, stride, stride, 1], padding='VALID')

    x = tf.placeholder(tf.float32, shape=[None, 66, 200, 3])
    y_ = tf.placeholder(tf.float32, shape=[None, 1])

    x_image = x

    #first convolutional layer
    W_conv1 = weight_variable([5, 5, 3, 24])
    b_conv1 = bias_variable([24])

    h_conv1 = tf.nn.relu(conv2d(x_image, W_conv1, 2) + b_conv1)

    #second convolutional layer
    W_conv2 = weight_variable([5, 5, 24, 36])
    b_conv2 = bias_variable([36])

    h_conv2 = tf.nn.relu(conv2d(h_conv1, W_conv2, 2) + b_conv2)

```



```

#third convolutional layer
W_conv3 = weight_variable([5, 5, 36, 48])
b_conv3 = bias_variable([48])

h_conv3 = tf.nn.relu(conv2d(h_conv2, W_conv3, 2) + b_conv3)

#fourth convolutional layer
W_conv4 = weight_variable([3, 3, 48, 64])
b_conv4 = bias_variable([64])

h_conv4 = tf.nn.relu(conv2d(h_conv3, W_conv4, 1) + b_conv4)

#fifth convolutional layer
W_conv5 = weight_variable([3, 3, 64, 64])
b_conv5 = bias_variable([64])

h_conv5 = tf.nn.relu(conv2d(h_conv4, W_conv5, 1) + b_conv5)

#FCL 1
W_fc1 = weight_variable([1152, 1164])
b_fc1 = bias_variable([1164])

h_conv5_flat = tf.reshape(h_conv5, [-1, 1152])
h_fc1 = tf.nn.relu(tf.matmul(h_conv5_flat, W_fc1) + b_fc1)

keep_prob = tf.placeholder(tf.float32)
h_fc1_drop = tf.nn.dropout(h_fc1, keep_prob)

#FCL 2
W_fc2 = weight_variable([1164, 100])
b_fc2 = bias_variable([100])

h_fc2 = tf.nn.relu(tf.matmul(h_fc1_drop, W_fc2) + b_fc2)

h_fc2_drop = tf.nn.dropout(h_fc2, keep_prob)

#FCL 3
W_fc3 = weight_variable([100, 50])
b_fc3 = bias_variable([50])

h_fc3 = tf.nn.relu(tf.matmul(h_fc2_drop, W_fc3) + b_fc3)

h_fc3_drop = tf.nn.dropout(h_fc3, keep_prob)

#FCL 3
W_fc4 = weight_variable([50, 10])
b_fc4 = bias_variable([10])

```

```

h_fc4 = tf.nn.relu(tf.matmul(h_fc3_drop, W_fc4) + b_fc4)

h_fc4_drop = tf.nn.dropout(h_fc4, keep_prob)

#Output
W_fc5 = weight_variable([10, 1])
b_fc5 = bias_variable([1])

y = tf.matmul(h_fc4_drop, W_fc5) + b_fc5 #scale the atan output

In [37]: sess.run(tf.global_variables_initializer())
        sess.close()

In [4]: #model with learning rate of 1e-3
import os
import tensorflow as tf
from tensorflow.core.protobuf import saver_pb2
#import driving_data
#import model

LOGDIR = './saveassign4'

sess = tf.InteractiveSession()

L2NormConst = 0.001

train_vars = tf.trainable_variables()

loss = tf.reduce_mean(tf.square(tf.subtract(model_3.y_, model_3.y))) + tf.add_n([tf.nn
train_step = tf.train.AdamOptimizer(1e-3).minimize(loss)
sess.run(tf.initialize_all_variables())

# create a summary to monitor cost tensor
tf.summary.scalar("loss", loss)
# merge all summaries into a single op
merged_summary_op = tf.summary.merge_all()

saver = tf.train.Saver(write_version = saver_pb2.SaverDef.V2)

# op to write logs to Tensorboard
logs_path = './logs'
summary_writer = tf.summary.FileWriter(logs_path, graph=tf.get_default_graph())

epochs = 30
batch_size = 100

# train over the dataset about 30 times
for epoch in range(epochs):

```

```

for i in range(int(num_images/batch_size)):
    xs, ys = LoadTrainBatch(batch_size)
    train_step.run(feed_dict={model_3.x: xs, model_3.y_: ys, model_3.keep_prob: 0.5})
    if i % 10 == 0:
        xs, ys = LoadValBatch(batch_size)
        loss_value = loss.eval(feed_dict={model_3.x:xs,model_3.y_: ys, model_3.keep_prob: 0.5})
        print("Epoch: %d, Step: %d, Loss: %g" % (epoch, epoch * batch_size + i, loss_value))

# write logs at every iteration
summary = merged_summary_op.eval(feed_dict={model_3.x:xs, model_3.y_: ys, model_3.keep_prob: 0.5})
summary_writer.add_summary(summary, epoch * num_images/batch_size + i)

if i % batch_size == 0:
    if not os.path.exists(LOGDIR):
        os.makedirs(LOGDIR)
    checkpoint_path = os.path.join(LOGDIR, "model.ckpt")
    filename = saver.save(sess, checkpoint_path)
print("Model saved in file: %s" % filename)

print("Run the command line:\n" \
      "--> tensorboard --logdir=./logs " \
      "\nThen open http://0.0.0.0:6006/ into your web browser")

c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\tensorflow\python\client.py:114:
  warnings.warn('An interactive session is already active. This can be avoided by using tf.nn.dynamic_rnn with dtype=tf.float32.')
c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel_launcher.py:3:
  `imread` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0.
  Use ``imageio.imread`` instead.
c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel_launcher.py:3:
  `imresize` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0.
  Use ``skimage.transform.resize`` instead.
c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel_launcher.py:4:
  `imread` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0.
  Use ``imageio.imread`` instead.
c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel_launcher.py:4:
  `imresize` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0.
  Use ``skimage.transform.resize`` instead.

Epoch: 0, Step: 0, Loss: 6.32723
Epoch: 0, Step: 10, Loss: 5.67481
Epoch: 0, Step: 20, Loss: 5.37282
Epoch: 0, Step: 30, Loss: 5.13092
Epoch: 0, Step: 40, Loss: 4.916
Epoch: 0, Step: 50, Loss: 4.72568
Epoch: 0, Step: 60, Loss: 4.55786
Epoch: 0, Step: 70, Loss: 4.40938
Epoch: 0, Step: 80, Loss: 4.27745

```

Epoch: 0, Step: 90, Loss: 4.16907  
Epoch: 0, Step: 100, Loss: 4.05589  
Epoch: 0, Step: 110, Loss: 3.95733  
Epoch: 0, Step: 120, Loss: 3.86557  
Epoch: 0, Step: 130, Loss: 3.80209  
Epoch: 0, Step: 140, Loss: 3.75853  
Epoch: 0, Step: 150, Loss: 3.95049  
Epoch: 0, Step: 160, Loss: 3.62075  
Epoch: 0, Step: 170, Loss: 3.54454  
Epoch: 0, Step: 180, Loss: 3.54105  
Epoch: 0, Step: 190, Loss: 3.65402  
Epoch: 0, Step: 200, Loss: 3.51535  
Epoch: 0, Step: 210, Loss: 3.32264  
Epoch: 0, Step: 220, Loss: 3.52557  
Epoch: 0, Step: 230, Loss: 3.53384  
Epoch: 0, Step: 240, Loss: 3.17686  
Epoch: 0, Step: 250, Loss: 3.16767  
Epoch: 0, Step: 260, Loss: 3.08007  
Epoch: 0, Step: 270, Loss: 3.07969  
Epoch: 0, Step: 280, Loss: 3.0228  
Epoch: 0, Step: 290, Loss: 3.82334  
Epoch: 0, Step: 300, Loss: 3.12325  
Epoch: 0, Step: 310, Loss: 3.72336  
Epoch: 0, Step: 320, Loss: 3.60682  
Epoch: 0, Step: 330, Loss: 3.10681  
Epoch: 0, Step: 340, Loss: 3.37426  
Epoch: 0, Step: 350, Loss: 2.84688  
Epoch: 0, Step: 360, Loss: 2.75252  
Epoch: 0, Step: 370, Loss: 2.73227  
Epoch: 0, Step: 380, Loss: 2.83584  
Epoch: 0, Step: 390, Loss: 3.14228  
Epoch: 0, Step: 400, Loss: 3.35662  
Epoch: 0, Step: 410, Loss: 3.867  
Epoch: 0, Step: 420, Loss: 3.72357  
Epoch: 0, Step: 430, Loss: 3.46525  
Epoch: 0, Step: 440, Loss: 2.97148  
Epoch: 0, Step: 450, Loss: 2.51427  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 1, Step: 100, Loss: 2.5327  
Epoch: 1, Step: 110, Loss: 3.37186  
Epoch: 1, Step: 120, Loss: 3.60441  
Epoch: 1, Step: 130, Loss: 2.49708  
Epoch: 1, Step: 140, Loss: 2.49391  
Epoch: 1, Step: 150, Loss: 2.39603  
Epoch: 1, Step: 160, Loss: 2.6624  
Epoch: 1, Step: 170, Loss: 2.55102  
Epoch: 1, Step: 180, Loss: 3.12946  
Epoch: 1, Step: 190, Loss: 3.36338

Epoch: 1, Step: 200, Loss: 2.54352  
Epoch: 1, Step: 210, Loss: 2.2665  
Epoch: 1, Step: 220, Loss: 2.25827  
Epoch: 1, Step: 230, Loss: 2.24963  
Epoch: 1, Step: 240, Loss: 2.24643  
Epoch: 1, Step: 250, Loss: 2.57635  
Epoch: 1, Step: 260, Loss: 2.78557  
Epoch: 1, Step: 270, Loss: 2.38472  
Epoch: 1, Step: 280, Loss: 2.19501  
Epoch: 1, Step: 290, Loss: 2.15739  
Epoch: 1, Step: 300, Loss: 2.12595  
Epoch: 1, Step: 310, Loss: 2.23956  
Epoch: 1, Step: 320, Loss: 3.14566  
Epoch: 1, Step: 330, Loss: 3.43096  
Epoch: 1, Step: 340, Loss: 2.12315  
Epoch: 1, Step: 350, Loss: 2.12424  
Epoch: 1, Step: 360, Loss: 2.01284  
Epoch: 1, Step: 370, Loss: 2.00727  
Epoch: 1, Step: 380, Loss: 1.99066  
Epoch: 1, Step: 390, Loss: 1.99134  
Epoch: 1, Step: 400, Loss: 2.00871  
Epoch: 1, Step: 410, Loss: 1.97291  
Epoch: 1, Step: 420, Loss: 1.93333  
Epoch: 1, Step: 430, Loss: 2.02278  
Epoch: 1, Step: 440, Loss: 2.31034  
Epoch: 1, Step: 450, Loss: 2.01437  
Epoch: 1, Step: 460, Loss: 1.98202  
Epoch: 1, Step: 470, Loss: 1.87078  
Epoch: 1, Step: 480, Loss: 1.85808  
Epoch: 1, Step: 490, Loss: 1.84617  
Epoch: 1, Step: 500, Loss: 1.83349  
Epoch: 1, Step: 510, Loss: 1.87055  
Epoch: 1, Step: 520, Loss: 7.00648  
Epoch: 1, Step: 530, Loss: 1.97415  
Epoch: 1, Step: 540, Loss: 1.78697  
Epoch: 1, Step: 550, Loss: 1.76957  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 2, Step: 200, Loss: 1.77202  
Epoch: 2, Step: 210, Loss: 1.76153  
Epoch: 2, Step: 220, Loss: 1.74517  
Epoch: 2, Step: 230, Loss: 1.72679  
Epoch: 2, Step: 240, Loss: 1.71617  
Epoch: 2, Step: 250, Loss: 1.70512  
Epoch: 2, Step: 260, Loss: 1.69539  
Epoch: 2, Step: 270, Loss: 1.68802  
Epoch: 2, Step: 280, Loss: 1.69209  
Epoch: 2, Step: 290, Loss: 1.69971  
Epoch: 2, Step: 300, Loss: 1.6701

Epoch: 2, Step: 310, Loss: 1.64684  
Epoch: 2, Step: 320, Loss: 1.63426  
Epoch: 2, Step: 330, Loss: 1.62763  
Epoch: 2, Step: 340, Loss: 1.61647  
Epoch: 2, Step: 350, Loss: 1.60568  
Epoch: 2, Step: 360, Loss: 1.59895  
Epoch: 2, Step: 370, Loss: 1.58623  
Epoch: 2, Step: 380, Loss: 1.5785  
Epoch: 2, Step: 390, Loss: 1.57051  
Epoch: 2, Step: 400, Loss: 1.56062  
Epoch: 2, Step: 410, Loss: 1.5508  
Epoch: 2, Step: 420, Loss: 1.54188  
Epoch: 2, Step: 430, Loss: 1.53249  
Epoch: 2, Step: 440, Loss: 1.52449  
Epoch: 2, Step: 450, Loss: 1.52006  
Epoch: 2, Step: 460, Loss: 1.56723  
Epoch: 2, Step: 470, Loss: 2.94326  
Epoch: 2, Step: 480, Loss: 5.51701  
Epoch: 2, Step: 490, Loss: 1.4889  
Epoch: 2, Step: 500, Loss: 1.47442  
Epoch: 2, Step: 510, Loss: 1.52123  
Epoch: 2, Step: 520, Loss: 1.52956  
Epoch: 2, Step: 530, Loss: 1.52238  
Epoch: 2, Step: 540, Loss: 1.46509  
Epoch: 2, Step: 550, Loss: 1.55731  
Epoch: 2, Step: 560, Loss: 1.4421  
Epoch: 2, Step: 570, Loss: 1.43158  
Epoch: 2, Step: 580, Loss: 1.45202  
Epoch: 2, Step: 590, Loss: 1.41689  
Epoch: 2, Step: 600, Loss: 1.41333  
Epoch: 2, Step: 610, Loss: 1.45365  
Epoch: 2, Step: 620, Loss: 1.48594  
Epoch: 2, Step: 630, Loss: 1.45709  
Epoch: 2, Step: 640, Loss: 1.5127  
Epoch: 2, Step: 650, Loss: 1.38987  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 3, Step: 300, Loss: 1.38484  
Epoch: 3, Step: 310, Loss: 1.36517  
Epoch: 3, Step: 320, Loss: 1.35562  
Epoch: 3, Step: 330, Loss: 1.3503  
Epoch: 3, Step: 340, Loss: 1.34405  
Epoch: 3, Step: 350, Loss: 1.33709  
Epoch: 3, Step: 360, Loss: 1.33025  
Epoch: 3, Step: 370, Loss: 1.33709  
Epoch: 3, Step: 380, Loss: 1.32435  
Epoch: 3, Step: 390, Loss: 1.32546  
Epoch: 3, Step: 400, Loss: 1.29355  
Epoch: 3, Step: 410, Loss: 1.31406

Epoch: 3, Step: 420, Loss: 1.37722  
Epoch: 3, Step: 430, Loss: 1.46308  
Epoch: 3, Step: 440, Loss: 1.39527  
Epoch: 3, Step: 450, Loss: 1.28965  
Epoch: 3, Step: 460, Loss: 1.36558  
Epoch: 3, Step: 470, Loss: 1.44781  
Epoch: 3, Step: 480, Loss: 1.54862  
Epoch: 3, Step: 490, Loss: 1.24475  
Epoch: 3, Step: 500, Loss: 1.44729  
Epoch: 3, Step: 510, Loss: 1.56637  
Epoch: 3, Step: 520, Loss: 1.24737  
Epoch: 3, Step: 530, Loss: 1.2568  
Epoch: 3, Step: 540, Loss: 1.20723  
Epoch: 3, Step: 550, Loss: 1.2362  
Epoch: 3, Step: 560, Loss: 1.21287  
Epoch: 3, Step: 570, Loss: 1.92614  
Epoch: 3, Step: 580, Loss: 1.4749  
Epoch: 3, Step: 590, Loss: 1.8505  
Epoch: 3, Step: 600, Loss: 2.009  
Epoch: 3, Step: 610, Loss: 1.31568  
Epoch: 3, Step: 620, Loss: 1.81114  
Epoch: 3, Step: 630, Loss: 1.29895  
Epoch: 3, Step: 640, Loss: 1.1555  
Epoch: 3, Step: 650, Loss: 1.16507  
Epoch: 3, Step: 660, Loss: 1.28461  
Epoch: 3, Step: 670, Loss: 1.37585  
Epoch: 3, Step: 680, Loss: 2.04162  
Epoch: 3, Step: 690, Loss: 1.88616  
Epoch: 3, Step: 700, Loss: 2.88971  
Epoch: 3, Step: 710, Loss: 1.83949  
Epoch: 3, Step: 720, Loss: 1.7527  
Epoch: 3, Step: 730, Loss: 1.10246  
Epoch: 3, Step: 740, Loss: 1.10756  
Epoch: 3, Step: 750, Loss: 1.79888  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 4, Step: 400, Loss: 2.5249  
Epoch: 4, Step: 410, Loss: 1.15337  
Epoch: 4, Step: 420, Loss: 1.18765  
Epoch: 4, Step: 430, Loss: 1.07457  
Epoch: 4, Step: 440, Loss: 1.26193  
Epoch: 4, Step: 450, Loss: 1.37888  
Epoch: 4, Step: 460, Loss: 1.54651  
Epoch: 4, Step: 470, Loss: 2.32643  
Epoch: 4, Step: 480, Loss: 1.38511  
Epoch: 4, Step: 490, Loss: 1.04449  
Epoch: 4, Step: 500, Loss: 1.04919  
Epoch: 4, Step: 510, Loss: 1.06022  
Epoch: 4, Step: 520, Loss: 1.06661

Epoch: 4, Step: 530, Loss: 1.30216  
Epoch: 4, Step: 540, Loss: 1.62348  
Epoch: 4, Step: 550, Loss: 1.28006  
Epoch: 4, Step: 560, Loss: 1.09766  
Epoch: 4, Step: 570, Loss: 1.04677  
Epoch: 4, Step: 580, Loss: 1.01274  
Epoch: 4, Step: 590, Loss: 1.10983  
Epoch: 4, Step: 600, Loss: 1.82409  
Epoch: 4, Step: 610, Loss: 2.46471  
Epoch: 4, Step: 620, Loss: 1.2086  
Epoch: 4, Step: 630, Loss: 1.09385  
Epoch: 4, Step: 640, Loss: 0.973808  
Epoch: 4, Step: 650, Loss: 0.974929  
Epoch: 4, Step: 660, Loss: 0.967138  
Epoch: 4, Step: 670, Loss: 0.973521  
Epoch: 4, Step: 680, Loss: 0.994061  
Epoch: 4, Step: 690, Loss: 0.994496  
Epoch: 4, Step: 700, Loss: 0.952116  
Epoch: 4, Step: 710, Loss: 1.06224  
Epoch: 4, Step: 720, Loss: 1.32997  
Epoch: 4, Step: 730, Loss: 1.03033  
Epoch: 4, Step: 740, Loss: 1.10513  
Epoch: 4, Step: 750, Loss: 0.936994  
Epoch: 4, Step: 760, Loss: 0.934147  
Epoch: 4, Step: 770, Loss: 0.930748  
Epoch: 4, Step: 780, Loss: 0.925583  
Epoch: 4, Step: 790, Loss: 0.932109  
Epoch: 4, Step: 800, Loss: 5.33202  
Epoch: 4, Step: 810, Loss: 1.8608  
Epoch: 4, Step: 820, Loss: 0.910766  
Epoch: 4, Step: 830, Loss: 0.896044  
Epoch: 4, Step: 840, Loss: 0.893637  
Epoch: 4, Step: 850, Loss: 0.895397  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 5, Step: 500, Loss: 0.887533  
Epoch: 5, Step: 510, Loss: 0.882043  
Epoch: 5, Step: 520, Loss: 0.876133  
Epoch: 5, Step: 530, Loss: 0.873328  
Epoch: 5, Step: 540, Loss: 0.870994  
Epoch: 5, Step: 550, Loss: 0.867778  
Epoch: 5, Step: 560, Loss: 0.869142  
Epoch: 5, Step: 570, Loss: 0.892606  
Epoch: 5, Step: 580, Loss: 0.875736  
Epoch: 5, Step: 590, Loss: 0.849235  
Epoch: 5, Step: 600, Loss: 0.843589  
Epoch: 5, Step: 610, Loss: 0.841271  
Epoch: 5, Step: 620, Loss: 0.836794  
Epoch: 5, Step: 630, Loss: 0.831655



Epoch: 5, Step: 640, Loss: 0.829843  
Epoch: 5, Step: 650, Loss: 0.824148  
Epoch: 5, Step: 660, Loss: 0.820915  
Epoch: 5, Step: 670, Loss: 0.818644  
Epoch: 5, Step: 680, Loss: 0.814311  
Epoch: 5, Step: 690, Loss: 0.810398  
Epoch: 5, Step: 700, Loss: 0.80624  
Epoch: 5, Step: 710, Loss: 0.802691  
Epoch: 5, Step: 720, Loss: 0.798915  
Epoch: 5, Step: 730, Loss: 0.796784  
Epoch: 5, Step: 740, Loss: 0.845734  
Epoch: 5, Step: 750, Loss: 0.982721  
Epoch: 5, Step: 760, Loss: 6.01782  
Epoch: 5, Step: 770, Loss: 0.794691  
Epoch: 5, Step: 780, Loss: 0.777926  
Epoch: 5, Step: 790, Loss: 0.806848  
Epoch: 5, Step: 800, Loss: 0.83671  
Epoch: 5, Step: 810, Loss: 0.832427  
Epoch: 5, Step: 820, Loss: 0.767683  
Epoch: 5, Step: 830, Loss: 0.891534  
Epoch: 5, Step: 840, Loss: 0.805578  
Epoch: 5, Step: 850, Loss: 0.753775  
Epoch: 5, Step: 860, Loss: 0.806044  
Epoch: 5, Step: 870, Loss: 0.755239  
Epoch: 5, Step: 880, Loss: 0.760789  
Epoch: 5, Step: 890, Loss: 0.777443  
Epoch: 5, Step: 900, Loss: 0.863753  
Epoch: 5, Step: 910, Loss: 0.78453  
Epoch: 5, Step: 920, Loss: 0.867892  
Epoch: 5, Step: 930, Loss: 0.780471  
Epoch: 5, Step: 940, Loss: 0.754  
Epoch: 5, Step: 950, Loss: 0.738957  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 6, Step: 600, Loss: 0.733549  
Epoch: 6, Step: 610, Loss: 0.731269  
Epoch: 6, Step: 620, Loss: 0.727805  
Epoch: 6, Step: 630, Loss: 0.725052  
Epoch: 6, Step: 640, Loss: 0.721613  
Epoch: 6, Step: 650, Loss: 0.724837  
Epoch: 6, Step: 660, Loss: 0.722726  
Epoch: 6, Step: 670, Loss: 0.730043  
Epoch: 6, Step: 680, Loss: 0.698589  
Epoch: 6, Step: 690, Loss: 0.714018  
Epoch: 6, Step: 700, Loss: 0.779728  
Epoch: 6, Step: 710, Loss: 0.769497  
Epoch: 6, Step: 720, Loss: 0.918632  
Epoch: 6, Step: 730, Loss: 0.689113  
Epoch: 6, Step: 740, Loss: 0.787833

Epoch: 6, Step: 750, Loss: 0.801377  
Epoch: 6, Step: 760, Loss: 1.03457  
Epoch: 6, Step: 770, Loss: 0.698566  
Epoch: 6, Step: 780, Loss: 0.843085  
Epoch: 6, Step: 790, Loss: 1.00548  
Epoch: 6, Step: 800, Loss: 0.773054  
Epoch: 6, Step: 810, Loss: 0.703912  
Epoch: 6, Step: 820, Loss: 0.657925  
Epoch: 6, Step: 830, Loss: 0.665633  
Epoch: 6, Step: 840, Loss: 0.676497  
Epoch: 6, Step: 850, Loss: 1.17859  
Epoch: 6, Step: 860, Loss: 1.10923  
Epoch: 6, Step: 870, Loss: 1.15262  
Epoch: 6, Step: 880, Loss: 1.54763  
Epoch: 6, Step: 890, Loss: 0.793029  
Epoch: 6, Step: 900, Loss: 1.26762  
Epoch: 6, Step: 910, Loss: 0.84282  
Epoch: 6, Step: 920, Loss: 0.628296  
Epoch: 6, Step: 930, Loss: 0.64097  
Epoch: 6, Step: 940, Loss: 0.709878  
Epoch: 6, Step: 950, Loss: 0.779674  
Epoch: 6, Step: 960, Loss: 1.60501  
Epoch: 6, Step: 970, Loss: 0.950226  
Epoch: 6, Step: 980, Loss: 2.78097  
Epoch: 6, Step: 990, Loss: 1.12058  
Epoch: 6, Step: 1000, Loss: 1.48859  
Epoch: 6, Step: 1010, Loss: 0.616181  
Epoch: 6, Step: 1020, Loss: 0.600252  
Epoch: 6, Step: 1030, Loss: 1.0283  
Epoch: 6, Step: 1040, Loss: 2.08141  
Epoch: 6, Step: 1050, Loss: 0.879826  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 7, Step: 700, Loss: 0.70897  
Epoch: 7, Step: 710, Loss: 0.585927  
Epoch: 7, Step: 720, Loss: 0.706563  
Epoch: 7, Step: 730, Loss: 0.93184  
Epoch: 7, Step: 740, Loss: 0.900584  
Epoch: 7, Step: 750, Loss: 1.91564  
Epoch: 7, Step: 760, Loss: 1.09085  
Epoch: 7, Step: 770, Loss: 0.567874  
Epoch: 7, Step: 780, Loss: 0.575803  
Epoch: 7, Step: 790, Loss: 0.588005  
Epoch: 7, Step: 800, Loss: 0.592912  
Epoch: 7, Step: 810, Loss: 0.718933  
Epoch: 7, Step: 820, Loss: 1.12877  
Epoch: 7, Step: 830, Loss: 0.939359  
Epoch: 7, Step: 840, Loss: 0.658203  
Epoch: 7, Step: 850, Loss: 0.582599

Epoch: 7, Step: 860, Loss: 0.554895  
Epoch: 7, Step: 870, Loss: 0.614465  
Epoch: 7, Step: 880, Loss: 1.10582  
Epoch: 7, Step: 890, Loss: 1.99329  
Epoch: 7, Step: 900, Loss: 1.01501  
Epoch: 7, Step: 910, Loss: 0.641573  
Epoch: 7, Step: 920, Loss: 0.535846  
Epoch: 7, Step: 930, Loss: 0.529275  
Epoch: 7, Step: 940, Loss: 0.522404  
Epoch: 7, Step: 950, Loss: 0.52801  
Epoch: 7, Step: 960, Loss: 0.550706  
Epoch: 7, Step: 970, Loss: 0.563087  
Epoch: 7, Step: 980, Loss: 0.513848  
Epoch: 7, Step: 990, Loss: 0.601183  
Epoch: 7, Step: 1000, Loss: 0.766677  
Epoch: 7, Step: 1010, Loss: 0.737846  
Epoch: 7, Step: 1020, Loss: 0.71048  
Epoch: 7, Step: 1030, Loss: 0.512037  
Epoch: 7, Step: 1040, Loss: 0.507206  
Epoch: 7, Step: 1050, Loss: 0.503896  
Epoch: 7, Step: 1060, Loss: 0.501389  
Epoch: 7, Step: 1070, Loss: 0.50547  
Epoch: 7, Step: 1080, Loss: 3.42002  
Epoch: 7, Step: 1090, Loss: 3.07591  
Epoch: 7, Step: 1100, Loss: 0.493847  
Epoch: 7, Step: 1110, Loss: 0.483951  
Epoch: 7, Step: 1120, Loss: 0.481268  
Epoch: 7, Step: 1130, Loss: 0.486143  
Epoch: 7, Step: 1140, Loss: 0.476312  
Epoch: 7, Step: 1150, Loss: 0.476233  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 8, Step: 800, Loss: 0.471892  
Epoch: 8, Step: 810, Loss: 0.471377  
Epoch: 8, Step: 820, Loss: 0.469169  
Epoch: 8, Step: 830, Loss: 0.464259  
Epoch: 8, Step: 840, Loss: 0.470984  
Epoch: 8, Step: 850, Loss: 0.501021  
Epoch: 8, Step: 860, Loss: 0.492937  
Epoch: 8, Step: 870, Loss: 0.455905  
Epoch: 8, Step: 880, Loss: 0.452605  
Epoch: 8, Step: 890, Loss: 0.450873  
Epoch: 8, Step: 900, Loss: 0.448861  
Epoch: 8, Step: 910, Loss: 0.44591  
Epoch: 8, Step: 920, Loss: 0.445346  
Epoch: 8, Step: 930, Loss: 0.441422  
Epoch: 8, Step: 940, Loss: 0.43993  
Epoch: 8, Step: 950, Loss: 0.438782  
Epoch: 8, Step: 960, Loss: 0.435966

Epoch: 8, Step: 970, Loss: 0.433923  
Epoch: 8, Step: 980, Loss: 0.43123  
Epoch: 8, Step: 990, Loss: 0.42907  
Epoch: 8, Step: 1000, Loss: 0.427791  
Epoch: 8, Step: 1010, Loss: 0.426843  
Epoch: 8, Step: 1020, Loss: 0.459317  
Epoch: 8, Step: 1030, Loss: 0.452478  
Epoch: 8, Step: 1040, Loss: 5.48594  
Epoch: 8, Step: 1050, Loss: 0.886601  
Epoch: 8, Step: 1060, Loss: 0.416557  
Epoch: 8, Step: 1070, Loss: 0.431387  
Epoch: 8, Step: 1080, Loss: 0.469388  
Epoch: 8, Step: 1090, Loss: 0.477316  
Epoch: 8, Step: 1100, Loss: 0.414918  
Epoch: 8, Step: 1110, Loss: 0.503946  
Epoch: 8, Step: 1120, Loss: 0.480433  
Epoch: 8, Step: 1130, Loss: 0.401413  
Epoch: 8, Step: 1140, Loss: 0.450378  
Epoch: 8, Step: 1150, Loss: 0.407279  
Epoch: 8, Step: 1160, Loss: 0.409444  
Epoch: 8, Step: 1170, Loss: 0.400332  
Epoch: 8, Step: 1180, Loss: 0.544322  
Epoch: 8, Step: 1190, Loss: 0.425439  
Epoch: 8, Step: 1200, Loss: 0.519463  
Epoch: 8, Step: 1210, Loss: 0.458551  
Epoch: 8, Step: 1220, Loss: 0.414437  
Epoch: 8, Step: 1230, Loss: 0.399753  
Epoch: 8, Step: 1240, Loss: 0.398224  
Epoch: 8, Step: 1250, Loss: 0.396349  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 9, Step: 900, Loss: 0.396179  
Epoch: 9, Step: 910, Loss: 0.394439  
Epoch: 9, Step: 920, Loss: 0.391657  
Epoch: 9, Step: 930, Loss: 0.389737  
Epoch: 9, Step: 940, Loss: 0.402964  
Epoch: 9, Step: 950, Loss: 0.401432  
Epoch: 9, Step: 960, Loss: 0.379871  
Epoch: 9, Step: 970, Loss: 0.378344  
Epoch: 9, Step: 980, Loss: 0.434753  
Epoch: 9, Step: 990, Loss: 0.393033  
Epoch: 9, Step: 1000, Loss: 0.678538  
Epoch: 9, Step: 1010, Loss: 0.366652  
Epoch: 9, Step: 1020, Loss: 0.435346  
Epoch: 9, Step: 1030, Loss: 0.440541  
Epoch: 9, Step: 1040, Loss: 0.739712  
Epoch: 9, Step: 1050, Loss: 0.39996  
Epoch: 9, Step: 1060, Loss: 0.474623  
Epoch: 9, Step: 1070, Loss: 0.638856

Epoch: 9, Step: 1080, Loss: 0.562273  
Epoch: 9, Step: 1090, Loss: 0.37402  
Epoch: 9, Step: 1100, Loss: 0.364382  
Epoch: 9, Step: 1110, Loss: 0.349519  
Epoch: 9, Step: 1120, Loss: 0.384927  
Epoch: 9, Step: 1130, Loss: 0.539531  
Epoch: 9, Step: 1140, Loss: 1.09544  
Epoch: 9, Step: 1150, Loss: 0.649339  
Epoch: 9, Step: 1160, Loss: 1.28737  
Epoch: 9, Step: 1170, Loss: 0.696156  
Epoch: 9, Step: 1180, Loss: 0.846763  
Epoch: 9, Step: 1190, Loss: 0.653587  
Epoch: 9, Step: 1200, Loss: 0.33572  
Epoch: 9, Step: 1210, Loss: 0.342421  
Epoch: 9, Step: 1220, Loss: 0.389879  
Epoch: 9, Step: 1230, Loss: 0.487027  
Epoch: 9, Step: 1240, Loss: 1.24507  
Epoch: 9, Step: 1250, Loss: 0.494016  
Epoch: 9, Step: 1260, Loss: 2.45621  
Epoch: 9, Step: 1270, Loss: 0.885506  
Epoch: 9, Step: 1280, Loss: 1.39905  
Epoch: 9, Step: 1290, Loss: 0.408941  
Epoch: 9, Step: 1300, Loss: 0.311044  
Epoch: 9, Step: 1310, Loss: 0.500892  
Epoch: 9, Step: 1320, Loss: 1.62873  
Epoch: 9, Step: 1330, Loss: 0.944536  
Epoch: 9, Step: 1340, Loss: 0.422054  
Epoch: 9, Step: 1350, Loss: 0.32767  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 10, Step: 1000, Loss: 0.38208  
Epoch: 10, Step: 1010, Loss: 0.679393  
Epoch: 10, Step: 1020, Loss: 0.520318  
Epoch: 10, Step: 1030, Loss: 1.48249  
Epoch: 10, Step: 1040, Loss: 1.03627  
Epoch: 10, Step: 1050, Loss: 0.335906  
Epoch: 10, Step: 1060, Loss: 0.300409  
Epoch: 10, Step: 1070, Loss: 0.308714  
Epoch: 10, Step: 1080, Loss: 0.314865  
Epoch: 10, Step: 1090, Loss: 0.345447  
Epoch: 10, Step: 1100, Loss: 0.857695  
Epoch: 10, Step: 1110, Loss: 0.795678  
Epoch: 10, Step: 1120, Loss: 0.424862  
Epoch: 10, Step: 1130, Loss: 0.318193  
Epoch: 10, Step: 1140, Loss: 0.298562  
Epoch: 10, Step: 1150, Loss: 0.320243  
Epoch: 10, Step: 1160, Loss: 0.613681  
Epoch: 10, Step: 1170, Loss: 1.70492  
Epoch: 10, Step: 1180, Loss: 1.02112

Epoch: 10, Step: 1190, Loss: 0.357874  
Epoch: 10, Step: 1200, Loss: 0.31023  
Epoch: 10, Step: 1210, Loss: 0.271791  
Epoch: 10, Step: 1220, Loss: 0.266788  
Epoch: 10, Step: 1230, Loss: 0.273501  
Epoch: 10, Step: 1240, Loss: 0.290025  
Epoch: 10, Step: 1250, Loss: 0.322646  
Epoch: 10, Step: 1260, Loss: 0.26135  
Epoch: 10, Step: 1270, Loss: 0.310577  
Epoch: 10, Step: 1280, Loss: 0.380724  
Epoch: 10, Step: 1290, Loss: 0.624949  
Epoch: 10, Step: 1300, Loss: 0.464266  
Epoch: 10, Step: 1310, Loss: 0.266438  
Epoch: 10, Step: 1320, Loss: 0.26011  
Epoch: 10, Step: 1330, Loss: 0.25855  
Epoch: 10, Step: 1340, Loss: 0.257587  
Epoch: 10, Step: 1350, Loss: 0.25945  
Epoch: 10, Step: 1360, Loss: 1.64243  
Epoch: 10, Step: 1370, Loss: 4.3525  
Epoch: 10, Step: 1380, Loss: 0.258598  
Epoch: 10, Step: 1390, Loss: 0.246982  
Epoch: 10, Step: 1400, Loss: 0.246525  
Epoch: 10, Step: 1410, Loss: 0.251118  
Epoch: 10, Step: 1420, Loss: 0.244028  
Epoch: 10, Step: 1430, Loss: 0.242784  
Epoch: 10, Step: 1440, Loss: 0.238412  
Epoch: 10, Step: 1450, Loss: 0.236788  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 11, Step: 1100, Loss: 0.237112  
Epoch: 11, Step: 1110, Loss: 0.233445  
Epoch: 11, Step: 1120, Loss: 0.237065  
Epoch: 11, Step: 1130, Loss: 0.269112  
Epoch: 11, Step: 1140, Loss: 0.269099  
Epoch: 11, Step: 1150, Loss: 0.237316  
Epoch: 11, Step: 1160, Loss: 0.226814  
Epoch: 11, Step: 1170, Loss: 0.226125  
Epoch: 11, Step: 1180, Loss: 0.225166  
Epoch: 11, Step: 1190, Loss: 0.223072  
Epoch: 11, Step: 1200, Loss: 0.22257  
Epoch: 11, Step: 1210, Loss: 0.221101  
Epoch: 11, Step: 1220, Loss: 0.219546  
Epoch: 11, Step: 1230, Loss: 0.220099  
Epoch: 11, Step: 1240, Loss: 0.217726  
Epoch: 11, Step: 1250, Loss: 0.217739  
Epoch: 11, Step: 1260, Loss: 0.216162  
Epoch: 11, Step: 1270, Loss: 0.215011  
Epoch: 11, Step: 1280, Loss: 0.213559  
Epoch: 11, Step: 1290, Loss: 0.213029

Epoch: 11, Step: 1300, Loss: 0.243005  
Epoch: 11, Step: 1310, Loss: 0.246448  
Epoch: 11, Step: 1320, Loss: 3.8475  
Epoch: 11, Step: 1330, Loss: 2.0764  
Epoch: 11, Step: 1340, Loss: 0.207945  
Epoch: 11, Step: 1350, Loss: 0.210673  
Epoch: 11, Step: 1360, Loss: 0.265562  
Epoch: 11, Step: 1370, Loss: 0.280325  
Epoch: 11, Step: 1380, Loss: 0.228571  
Epoch: 11, Step: 1390, Loss: 0.269447  
Epoch: 11, Step: 1400, Loss: 0.294698  
Epoch: 11, Step: 1410, Loss: 0.200016  
Epoch: 11, Step: 1420, Loss: 0.234263  
Epoch: 11, Step: 1430, Loss: 0.213422  
Epoch: 11, Step: 1440, Loss: 0.20916  
Epoch: 11, Step: 1450, Loss: 0.198547  
Epoch: 11, Step: 1460, Loss: 0.320613  
Epoch: 11, Step: 1470, Loss: 0.256832  
Epoch: 11, Step: 1480, Loss: 0.298883  
Epoch: 11, Step: 1490, Loss: 0.288384  
Epoch: 11, Step: 1500, Loss: 0.215457  
Epoch: 11, Step: 1510, Loss: 0.209718  
Epoch: 11, Step: 1520, Loss: 0.20747  
Epoch: 11, Step: 1530, Loss: 0.202024  
Epoch: 11, Step: 1540, Loss: 0.200284  
Epoch: 11, Step: 1550, Loss: 0.198801  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 12, Step: 1200, Loss: 0.198479  
Epoch: 12, Step: 1210, Loss: 0.195378  
Epoch: 12, Step: 1220, Loss: 0.207649  
Epoch: 12, Step: 1230, Loss: 0.202691  
Epoch: 12, Step: 1240, Loss: 0.196287  
Epoch: 12, Step: 1250, Loss: 0.18596  
Epoch: 12, Step: 1260, Loss: 0.224615  
Epoch: 12, Step: 1270, Loss: 0.234022  
Epoch: 12, Step: 1280, Loss: 0.485631  
Epoch: 12, Step: 1290, Loss: 0.186444  
Epoch: 12, Step: 1300, Loss: 0.231514  
Epoch: 12, Step: 1310, Loss: 0.270004  
Epoch: 12, Step: 1320, Loss: 0.536808  
Epoch: 12, Step: 1330, Loss: 0.281806  
Epoch: 12, Step: 1340, Loss: 0.229941  
Epoch: 12, Step: 1350, Loss: 0.436593  
Epoch: 12, Step: 1360, Loss: 0.448217  
Epoch: 12, Step: 1370, Loss: 0.176321  
Epoch: 12, Step: 1380, Loss: 0.210184  
Epoch: 12, Step: 1390, Loss: 0.170359  
Epoch: 12, Step: 1400, Loss: 0.211382

Epoch: 12, Step: 1410, Loss: 0.217272  
Epoch: 12, Step: 1420, Loss: 1.01505  
Epoch: 12, Step: 1430, Loss: 0.329867  
Epoch: 12, Step: 1440, Loss: 1.08881  
Epoch: 12, Step: 1450, Loss: 0.778026  
Epoch: 12, Step: 1460, Loss: 0.536907  
Epoch: 12, Step: 1470, Loss: 0.594164  
Epoch: 12, Step: 1480, Loss: 0.184397  
Epoch: 12, Step: 1490, Loss: 0.172158  
Epoch: 12, Step: 1500, Loss: 0.192267  
Epoch: 12, Step: 1510, Loss: 0.336061  
Epoch: 12, Step: 1520, Loss: 0.866444  
Epoch: 12, Step: 1530, Loss: 0.547292  
Epoch: 12, Step: 1540, Loss: 1.92102  
Epoch: 12, Step: 1550, Loss: 0.940193  
Epoch: 12, Step: 1560, Loss: 1.24952  
Epoch: 12, Step: 1570, Loss: 0.406618  
Epoch: 12, Step: 1580, Loss: 0.150313  
Epoch: 12, Step: 1590, Loss: 0.231021  
Epoch: 12, Step: 1600, Loss: 1.3046  
Epoch: 12, Step: 1610, Loss: 1.07541  
Epoch: 12, Step: 1620, Loss: 0.228153  
Epoch: 12, Step: 1630, Loss: 0.202274  
Epoch: 12, Step: 1640, Loss: 0.18584  
Epoch: 12, Step: 1650, Loss: 0.549981  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 13, Step: 1300, Loss: 0.296278  
Epoch: 13, Step: 1310, Loss: 1.10025  
Epoch: 13, Step: 1320, Loss: 1.04099  
Epoch: 13, Step: 1330, Loss: 0.306166  
Epoch: 13, Step: 1340, Loss: 0.144603  
Epoch: 13, Step: 1350, Loss: 0.153651  
Epoch: 13, Step: 1360, Loss: 0.161826  
Epoch: 13, Step: 1370, Loss: 0.170063  
Epoch: 13, Step: 1380, Loss: 0.618377  
Epoch: 13, Step: 1390, Loss: 0.731488  
Epoch: 13, Step: 1400, Loss: 0.32922  
Epoch: 13, Step: 1410, Loss: 0.173255  
Epoch: 13, Step: 1420, Loss: 0.163025  
Epoch: 13, Step: 1430, Loss: 0.150122  
Epoch: 13, Step: 1440, Loss: 0.301957  
Epoch: 13, Step: 1450, Loss: 1.37292  
Epoch: 13, Step: 1460, Loss: 1.23191  
Epoch: 13, Step: 1470, Loss: 0.176408  
Epoch: 13, Step: 1480, Loss: 0.213627  
Epoch: 13, Step: 1490, Loss: 0.12757  
Epoch: 13, Step: 1500, Loss: 0.130283  
Epoch: 13, Step: 1510, Loss: 0.132277



Epoch: 13, Step: 1520, Loss: 0.149234  
Epoch: 13, Step: 1530, Loss: 0.186815  
Epoch: 13, Step: 1540, Loss: 0.134017  
Epoch: 13, Step: 1550, Loss: 0.136519  
Epoch: 13, Step: 1560, Loss: 0.239564  
Epoch: 13, Step: 1570, Loss: 0.523433  
Epoch: 13, Step: 1580, Loss: 0.336559  
Epoch: 13, Step: 1590, Loss: 0.13413  
Epoch: 13, Step: 1600, Loss: 0.127767  
Epoch: 13, Step: 1610, Loss: 0.127517  
Epoch: 13, Step: 1620, Loss: 0.127319  
Epoch: 13, Step: 1630, Loss: 0.125722  
Epoch: 13, Step: 1640, Loss: 0.468607  
Epoch: 13, Step: 1650, Loss: 5.16492  
Epoch: 13, Step: 1660, Loss: 0.173237  
Epoch: 13, Step: 1670, Loss: 0.123284  
Epoch: 13, Step: 1680, Loss: 0.117248  
Epoch: 13, Step: 1690, Loss: 0.122858  
Epoch: 13, Step: 1700, Loss: 0.119277  
Epoch: 13, Step: 1710, Loss: 0.116637  
Epoch: 13, Step: 1720, Loss: 0.111028  
Epoch: 13, Step: 1730, Loss: 0.110411  
Epoch: 13, Step: 1740, Loss: 0.109511  
Epoch: 13, Step: 1750, Loss: 0.108524  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 14, Step: 1400, Loss: 0.110346  
Epoch: 14, Step: 1410, Loss: 0.138828  
Epoch: 14, Step: 1420, Loss: 0.146159  
Epoch: 14, Step: 1430, Loss: 0.12163  
Epoch: 14, Step: 1440, Loss: 0.105436  
Epoch: 14, Step: 1450, Loss: 0.104627  
Epoch: 14, Step: 1460, Loss: 0.10478  
Epoch: 14, Step: 1470, Loss: 0.103706  
Epoch: 14, Step: 1480, Loss: 0.102704  
Epoch: 14, Step: 1490, Loss: 0.103477  
Epoch: 14, Step: 1500, Loss: 0.101317  
Epoch: 14, Step: 1510, Loss: 0.102147  
Epoch: 14, Step: 1520, Loss: 0.101018  
Epoch: 14, Step: 1530, Loss: 0.100403  
Epoch: 14, Step: 1540, Loss: 0.0996956  
Epoch: 14, Step: 1550, Loss: 0.099054  
Epoch: 14, Step: 1560, Loss: 0.0975827  
Epoch: 14, Step: 1570, Loss: 0.0976818  
Epoch: 14, Step: 1580, Loss: 0.102689  
Epoch: 14, Step: 1590, Loss: 0.155578  
Epoch: 14, Step: 1600, Loss: 2.53957  
Epoch: 14, Step: 1610, Loss: 3.11493  
Epoch: 14, Step: 1620, Loss: 0.0972921

Epoch: 14, Step: 1630, Loss: 0.0940549  
Epoch: 14, Step: 1640, Loss: 0.150238  
Epoch: 14, Step: 1650, Loss: 0.157556  
Epoch: 14, Step: 1660, Loss: 0.1473  
Epoch: 14, Step: 1670, Loss: 0.135041  
Epoch: 14, Step: 1680, Loss: 0.203412  
Epoch: 14, Step: 1690, Loss: 0.0940068  
Epoch: 14, Step: 1700, Loss: 0.113773  
Epoch: 14, Step: 1710, Loss: 0.112566  
Epoch: 14, Step: 1720, Loss: 0.1041  
Epoch: 14, Step: 1730, Loss: 0.0974167  
Epoch: 14, Step: 1740, Loss: 0.176139  
Epoch: 14, Step: 1750, Loss: 0.182436  
Epoch: 14, Step: 1760, Loss: 0.173843  
Epoch: 14, Step: 1770, Loss: 0.220607  
Epoch: 14, Step: 1780, Loss: 0.0990174  
Epoch: 14, Step: 1790, Loss: 0.111669  
Epoch: 14, Step: 1800, Loss: 0.100837  
Epoch: 14, Step: 1810, Loss: 0.0977118  
Epoch: 14, Step: 1820, Loss: 0.0971293  
Epoch: 14, Step: 1830, Loss: 0.0968663  
Epoch: 14, Step: 1840, Loss: 0.0972363  
Epoch: 14, Step: 1850, Loss: 0.0968558  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 15, Step: 1500, Loss: 0.109905  
Epoch: 15, Step: 1510, Loss: 0.103251  
Epoch: 15, Step: 1520, Loss: 0.103832  
Epoch: 15, Step: 1530, Loss: 0.0840783  
Epoch: 15, Step: 1540, Loss: 0.117567  
Epoch: 15, Step: 1550, Loss: 0.163972  
Epoch: 15, Step: 1560, Loss: 0.337226  
Epoch: 15, Step: 1570, Loss: 0.133953  
Epoch: 15, Step: 1580, Loss: 0.121601  
Epoch: 15, Step: 1590, Loss: 0.189791  
Epoch: 15, Step: 1600, Loss: 0.35486  
Epoch: 15, Step: 1610, Loss: 0.295685  
Epoch: 15, Step: 1620, Loss: 0.0958576  
Epoch: 15, Step: 1630, Loss: 0.32252  
Epoch: 15, Step: 1640, Loss: 0.391766  
Epoch: 15, Step: 1650, Loss: 0.0943792  
Epoch: 15, Step: 1660, Loss: 0.116739  
Epoch: 15, Step: 1670, Loss: 0.0768196  
Epoch: 15, Step: 1680, Loss: 0.120772  
Epoch: 15, Step: 1690, Loss: 0.0913213  
Epoch: 15, Step: 1700, Loss: 0.869478  
Epoch: 15, Step: 1710, Loss: 0.284863  
Epoch: 15, Step: 1720, Loss: 0.867661  
Epoch: 15, Step: 1730, Loss: 0.84625

Epoch: 15, Step: 1740, Loss: 0.320625  
Epoch: 15, Step: 1750, Loss: 0.631177  
Epoch: 15, Step: 1760, Loss: 0.147274  
Epoch: 15, Step: 1770, Loss: 0.0813841  
Epoch: 15, Step: 1780, Loss: 0.0939937  
Epoch: 15, Step: 1790, Loss: 0.24444  
Epoch: 15, Step: 1800, Loss: 0.449641  
Epoch: 15, Step: 1810, Loss: 0.808001  
Epoch: 15, Step: 1820, Loss: 1.25279  
Epoch: 15, Step: 1830, Loss: 1.40543  
Epoch: 15, Step: 1840, Loss: 0.983534  
Epoch: 15, Step: 1850, Loss: 0.527437  
Epoch: 15, Step: 1860, Loss: 0.0655334  
Epoch: 15, Step: 1870, Loss: 0.0966058  
Epoch: 15, Step: 1880, Loss: 0.957127  
Epoch: 15, Step: 1890, Loss: 1.34457  
Epoch: 15, Step: 1900, Loss: 0.120194  
Epoch: 15, Step: 1910, Loss: 0.151583  
Epoch: 15, Step: 1920, Loss: 0.0686025  
Epoch: 15, Step: 1930, Loss: 0.342457  
Epoch: 15, Step: 1940, Loss: 0.302157  
Epoch: 15, Step: 1950, Loss: 0.779509  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 16, Step: 1600, Loss: 1.15629  
Epoch: 16, Step: 1610, Loss: 0.335874  
Epoch: 16, Step: 1620, Loss: 0.0637826  
Epoch: 16, Step: 1630, Loss: 0.0735974  
Epoch: 16, Step: 1640, Loss: 0.0845182  
Epoch: 16, Step: 1650, Loss: 0.0919341  
Epoch: 16, Step: 1660, Loss: 0.42525  
Epoch: 16, Step: 1670, Loss: 0.682502  
Epoch: 16, Step: 1680, Loss: 0.294411  
Epoch: 16, Step: 1690, Loss: 0.125032  
Epoch: 16, Step: 1700, Loss: 0.0967136  
Epoch: 16, Step: 1710, Loss: 0.0725692  
Epoch: 16, Step: 1720, Loss: 0.183582  
Epoch: 16, Step: 1730, Loss: 1.05527  
Epoch: 16, Step: 1740, Loss: 1.46302  
Epoch: 16, Step: 1750, Loss: 0.155805  
Epoch: 16, Step: 1760, Loss: 0.168247  
Epoch: 16, Step: 1770, Loss: 0.0555184  
Epoch: 16, Step: 1780, Loss: 0.0610095  
Epoch: 16, Step: 1790, Loss: 0.0617191  
Epoch: 16, Step: 1800, Loss: 0.0697636  
Epoch: 16, Step: 1810, Loss: 0.0979814  
Epoch: 16, Step: 1820, Loss: 0.0877731  
Epoch: 16, Step: 1830, Loss: 0.0583002  
Epoch: 16, Step: 1840, Loss: 0.173534

Epoch: 16, Step: 1850, Loss: 0.468649  
Epoch: 16, Step: 1860, Loss: 0.158483  
Epoch: 16, Step: 1870, Loss: 0.189262  
Epoch: 16, Step: 1880, Loss: 0.0623167  
Epoch: 16, Step: 1890, Loss: 0.0622237  
Epoch: 16, Step: 1900, Loss: 0.0619772  
Epoch: 16, Step: 1910, Loss: 0.0616864  
Epoch: 16, Step: 1920, Loss: 0.084668  
Epoch: 16, Step: 1930, Loss: 5.17777  
Epoch: 16, Step: 1940, Loss: 0.314366  
Epoch: 16, Step: 1950, Loss: 0.0616561  
Epoch: 16, Step: 1960, Loss: 0.0536631  
Epoch: 16, Step: 1970, Loss: 0.0586371  
Epoch: 16, Step: 1980, Loss: 0.0602445  
Epoch: 16, Step: 1990, Loss: 0.0534837  
Epoch: 16, Step: 2000, Loss: 0.0496942  
Epoch: 16, Step: 2010, Loss: 0.0487676  
Epoch: 16, Step: 2020, Loss: 0.0485481  
Epoch: 16, Step: 2030, Loss: 0.0494967  
Epoch: 16, Step: 2040, Loss: 0.050791  
Epoch: 16, Step: 2050, Loss: 0.0620571  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 17, Step: 1700, Loss: 0.0846224  
Epoch: 17, Step: 1710, Loss: 0.0655999  
Epoch: 17, Step: 1720, Loss: 0.0470435  
Epoch: 17, Step: 1730, Loss: 0.0451389  
Epoch: 17, Step: 1740, Loss: 0.0457589  
Epoch: 17, Step: 1750, Loss: 0.045314  
Epoch: 17, Step: 1760, Loss: 0.043701  
Epoch: 17, Step: 1770, Loss: 0.0457706  
Epoch: 17, Step: 1780, Loss: 0.0432188  
Epoch: 17, Step: 1790, Loss: 0.0436637  
Epoch: 17, Step: 1800, Loss: 0.0439027  
Epoch: 17, Step: 1810, Loss: 0.0435803  
Epoch: 17, Step: 1820, Loss: 0.0428054  
Epoch: 17, Step: 1830, Loss: 0.0424223  
Epoch: 17, Step: 1840, Loss: 0.0418705  
Epoch: 17, Step: 1850, Loss: 0.0419879  
Epoch: 17, Step: 1860, Loss: 0.0450295  
Epoch: 17, Step: 1870, Loss: 0.101788  
Epoch: 17, Step: 1880, Loss: 1.10266  
Epoch: 17, Step: 1890, Loss: 4.40579  
Epoch: 17, Step: 1900, Loss: 0.0464559  
Epoch: 17, Step: 1910, Loss: 0.0402912  
Epoch: 17, Step: 1920, Loss: 0.0877461  
Epoch: 17, Step: 1930, Loss: 0.10795  
Epoch: 17, Step: 1940, Loss: 0.109545  
Epoch: 17, Step: 1950, Loss: 0.0545753

Epoch: 17, Step: 1960, Loss: 0.169558  
Epoch: 17, Step: 1970, Loss: 0.0604912  
Epoch: 17, Step: 1980, Loss: 0.0453209  
Epoch: 17, Step: 1990, Loss: 0.0842181  
Epoch: 17, Step: 2000, Loss: 0.0487609  
Epoch: 17, Step: 2010, Loss: 0.0524757  
Epoch: 17, Step: 2020, Loss: 0.0957232  
Epoch: 17, Step: 2030, Loss: 0.150803  
Epoch: 17, Step: 2040, Loss: 0.107421  
Epoch: 17, Step: 2050, Loss: 0.167217  
Epoch: 17, Step: 2060, Loss: 0.0689593  
Epoch: 17, Step: 2070, Loss: 0.0680922  
Epoch: 17, Step: 2080, Loss: 0.0541666  
Epoch: 17, Step: 2090, Loss: 0.051123  
Epoch: 17, Step: 2100, Loss: 0.0521787  
Epoch: 17, Step: 2110, Loss: 0.0523631  
Epoch: 17, Step: 2120, Loss: 0.0522237  
Epoch: 17, Step: 2130, Loss: 0.0516416  
Epoch: 17, Step: 2140, Loss: 0.0640469  
Epoch: 17, Step: 2150, Loss: 0.0569858  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 18, Step: 1800, Loss: 0.0650723  
Epoch: 18, Step: 1810, Loss: 0.0372255  
Epoch: 18, Step: 1820, Loss: 0.0633347  
Epoch: 18, Step: 1830, Loss: 0.126861  
Epoch: 18, Step: 1840, Loss: 0.194682  
Epoch: 18, Step: 1850, Loss: 0.184291  
Epoch: 18, Step: 1860, Loss: 0.0604537  
Epoch: 18, Step: 1870, Loss: 0.15014  
Epoch: 18, Step: 1880, Loss: 0.213997  
Epoch: 18, Step: 1890, Loss: 0.366023  
Epoch: 18, Step: 1900, Loss: 0.0473526  
Epoch: 18, Step: 1910, Loss: 0.241022  
Epoch: 18, Step: 1920, Loss: 0.388425  
Epoch: 18, Step: 1930, Loss: 0.0754786  
Epoch: 18, Step: 1940, Loss: 0.0807361  
Epoch: 18, Step: 1950, Loss: 0.0346919  
Epoch: 18, Step: 1960, Loss: 0.0627312  
Epoch: 18, Step: 1970, Loss: 0.0540607  
Epoch: 18, Step: 1980, Loss: 0.729553  
Epoch: 18, Step: 1990, Loss: 0.353406  
Epoch: 18, Step: 2000, Loss: 0.692062  
Epoch: 18, Step: 2010, Loss: 0.898078  
Epoch: 18, Step: 2020, Loss: 0.156563  
Epoch: 18, Step: 2030, Loss: 0.67001  
Epoch: 18, Step: 2040, Loss: 0.186565  
Epoch: 18, Step: 2050, Loss: 0.0360867  
Epoch: 18, Step: 2060, Loss: 0.055164

Epoch: 18, Step: 2070, Loss: 0.170935  
Epoch: 18, Step: 2080, Loss: 0.239006  
Epoch: 18, Step: 2090, Loss: 0.958466  
Epoch: 18, Step: 2100, Loss: 0.690795  
Epoch: 18, Step: 2110, Loss: 1.93795  
Epoch: 18, Step: 2120, Loss: 0.68903  
Epoch: 18, Step: 2130, Loss: 0.726712  
Epoch: 18, Step: 2140, Loss: 0.0315479  
Epoch: 18, Step: 2150, Loss: 0.0379831  
Epoch: 18, Step: 2160, Loss: 0.686025  
Epoch: 18, Step: 2170, Loss: 1.51364  
Epoch: 18, Step: 2180, Loss: 0.131721  
Epoch: 18, Step: 2190, Loss: 0.138846  
Epoch: 18, Step: 2200, Loss: 0.0284002  
Epoch: 18, Step: 2210, Loss: 0.201879  
Epoch: 18, Step: 2220, Loss: 0.359474  
Epoch: 18, Step: 2230, Loss: 0.465161  
Epoch: 18, Step: 2240, Loss: 1.35264  
Epoch: 18, Step: 2250, Loss: 0.404105  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 19, Step: 1900, Loss: 0.0270344  
Epoch: 19, Step: 1910, Loss: 0.0389524  
Epoch: 19, Step: 1920, Loss: 0.0539323  
Epoch: 19, Step: 1930, Loss: 0.0623467  
Epoch: 19, Step: 1940, Loss: 0.281719  
Epoch: 19, Step: 1950, Loss: 0.617651  
Epoch: 19, Step: 1960, Loss: 0.319654  
Epoch: 19, Step: 1970, Loss: 0.11974  
Epoch: 19, Step: 1980, Loss: 0.0697016  
Epoch: 19, Step: 1990, Loss: 0.0333759  
Epoch: 19, Step: 2000, Loss: 0.124496  
Epoch: 19, Step: 2010, Loss: 0.783286  
Epoch: 19, Step: 2020, Loss: 1.48264  
Epoch: 19, Step: 2030, Loss: 0.299607  
Epoch: 19, Step: 2040, Loss: 0.145089  
Epoch: 19, Step: 2050, Loss: 0.0241053  
Epoch: 19, Step: 2060, Loss: 0.0280481  
Epoch: 19, Step: 2070, Loss: 0.0239604  
Epoch: 19, Step: 2080, Loss: 0.0353331  
Epoch: 19, Step: 2090, Loss: 0.0597655  
Epoch: 19, Step: 2100, Loss: 0.0666108  
Epoch: 19, Step: 2110, Loss: 0.026982  
Epoch: 19, Step: 2120, Loss: 0.140096  
Epoch: 19, Step: 2130, Loss: 0.404404  
Epoch: 19, Step: 2140, Loss: 0.127157  
Epoch: 19, Step: 2150, Loss: 0.208015  
Epoch: 19, Step: 2160, Loss: 0.0331927  
Epoch: 19, Step: 2170, Loss: 0.0334431

Epoch: 19, Step: 2180, Loss: 0.03347  
Epoch: 19, Step: 2190, Loss: 0.0322883  
Epoch: 19, Step: 2200, Loss: 0.0407685  
Epoch: 19, Step: 2210, Loss: 4.1617  
Epoch: 19, Step: 2220, Loss: 1.33949  
Epoch: 19, Step: 2230, Loss: 0.0313139  
Epoch: 19, Step: 2240, Loss: 0.0231174  
Epoch: 19, Step: 2250, Loss: 0.024252  
Epoch: 19, Step: 2260, Loss: 0.0304953  
Epoch: 19, Step: 2270, Loss: 0.0237507  
Epoch: 19, Step: 2280, Loss: 0.0227776  
Epoch: 19, Step: 2290, Loss: 0.0200244  
Epoch: 19, Step: 2300, Loss: 0.0210718  
Epoch: 19, Step: 2310, Loss: 0.0217699  
Epoch: 19, Step: 2320, Loss: 0.0214048  
Epoch: 19, Step: 2330, Loss: 0.0301819  
Epoch: 19, Step: 2340, Loss: 0.0615166  
Epoch: 19, Step: 2350, Loss: 0.048354  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 20, Step: 2000, Loss: 0.0191394  
Epoch: 20, Step: 2010, Loss: 0.0181757  
Epoch: 20, Step: 2020, Loss: 0.0184783  
Epoch: 20, Step: 2030, Loss: 0.0186215  
Epoch: 20, Step: 2040, Loss: 0.0172826  
Epoch: 20, Step: 2050, Loss: 0.0191106  
Epoch: 20, Step: 2060, Loss: 0.0170106  
Epoch: 20, Step: 2070, Loss: 0.0171553  
Epoch: 20, Step: 2080, Loss: 0.018389  
Epoch: 20, Step: 2090, Loss: 0.0175775  
Epoch: 20, Step: 2100, Loss: 0.0172765  
Epoch: 20, Step: 2110, Loss: 0.016733  
Epoch: 20, Step: 2120, Loss: 0.0166798  
Epoch: 20, Step: 2130, Loss: 0.0166163  
Epoch: 20, Step: 2140, Loss: 0.0178149  
Epoch: 20, Step: 2150, Loss: 0.0643643  
Epoch: 20, Step: 2160, Loss: 0.0993565  
Epoch: 20, Step: 2170, Loss: 5.38966  
Epoch: 20, Step: 2180, Loss: 0.0549113  
Epoch: 20, Step: 2190, Loss: 0.0169939  
Epoch: 20, Step: 2200, Loss: 0.0434343  
Epoch: 20, Step: 2210, Loss: 0.0814574  
Epoch: 20, Step: 2220, Loss: 0.0812575  
Epoch: 20, Step: 2230, Loss: 0.0199305  
Epoch: 20, Step: 2240, Loss: 0.137323  
Epoch: 20, Step: 2250, Loss: 0.0711077  
Epoch: 20, Step: 2260, Loss: 0.0157465  
Epoch: 20, Step: 2270, Loss: 0.0664595  
Epoch: 20, Step: 2280, Loss: 0.0259571

Epoch: 20, Step: 2290, Loss: 0.0295283  
Epoch: 20, Step: 2300, Loss: 0.0471405  
Epoch: 20, Step: 2310, Loss: 0.157421  
Epoch: 20, Step: 2320, Loss: 0.0572753  
Epoch: 20, Step: 2330, Loss: 0.143051  
Epoch: 20, Step: 2340, Loss: 0.0714404  
Epoch: 20, Step: 2350, Loss: 0.047767  
Epoch: 20, Step: 2360, Loss: 0.0349944  
Epoch: 20, Step: 2370, Loss: 0.0304381  
Epoch: 20, Step: 2380, Loss: 0.0315369  
Epoch: 20, Step: 2390, Loss: 0.0315425  
Epoch: 20, Step: 2400, Loss: 0.0321593  
Epoch: 20, Step: 2410, Loss: 0.032484  
Epoch: 20, Step: 2420, Loss: 0.0376462  
Epoch: 20, Step: 2430, Loss: 0.0418524  
Epoch: 20, Step: 2440, Loss: 0.0503298  
Epoch: 20, Step: 2450, Loss: 0.0207915  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 21, Step: 2100, Loss: 0.0352451  
Epoch: 21, Step: 2110, Loss: 0.102474  
Epoch: 21, Step: 2120, Loss: 0.0764699  
Epoch: 21, Step: 2130, Loss: 0.282816  
Epoch: 21, Step: 2140, Loss: 0.0215169  
Epoch: 21, Step: 2150, Loss: 0.119028  
Epoch: 21, Step: 2160, Loss: 0.12035  
Epoch: 21, Step: 2170, Loss: 0.388242  
Epoch: 21, Step: 2180, Loss: 0.0502453  
Epoch: 21, Step: 2190, Loss: 0.181998  
Epoch: 21, Step: 2200, Loss: 0.342755  
Epoch: 21, Step: 2210, Loss: 0.153073  
Epoch: 21, Step: 2220, Loss: 0.0598509  
Epoch: 21, Step: 2230, Loss: 0.0186555  
Epoch: 21, Step: 2240, Loss: 0.030216  
Epoch: 21, Step: 2250, Loss: 0.0496302  
Epoch: 21, Step: 2260, Loss: 0.462578  
Epoch: 21, Step: 2270, Loss: 0.538997  
Epoch: 21, Step: 2280, Loss: 0.498313  
Epoch: 21, Step: 2290, Loss: 0.956164  
Epoch: 21, Step: 2300, Loss: 0.219591  
Epoch: 21, Step: 2310, Loss: 0.627265  
Epoch: 21, Step: 2320, Loss: 0.247922  
Epoch: 21, Step: 2330, Loss: 0.0200504  
Epoch: 21, Step: 2340, Loss: 0.0332278  
Epoch: 21, Step: 2350, Loss: 0.099626  
Epoch: 21, Step: 2360, Loss: 0.175922  
Epoch: 21, Step: 2370, Loss: 0.989001  
Epoch: 21, Step: 2380, Loss: 0.283513  
Epoch: 21, Step: 2390, Loss: 2.22983



Epoch: 21, Step: 2400, Loss: 0.528702  
Epoch: 21, Step: 2410, Loss: 0.959366  
Epoch: 21, Step: 2420, Loss: 0.0442385  
Epoch: 21, Step: 2430, Loss: 0.0166697  
Epoch: 21, Step: 2440, Loss: 0.373575  
Epoch: 21, Step: 2450, Loss: 1.47206  
Epoch: 21, Step: 2460, Loss: 0.389065  
Epoch: 21, Step: 2470, Loss: 0.143414  
Epoch: 21, Step: 2480, Loss: 0.0172859  
Epoch: 21, Step: 2490, Loss: 0.124611  
Epoch: 21, Step: 2500, Loss: 0.370921  
Epoch: 21, Step: 2510, Loss: 0.310652  
Epoch: 21, Step: 2520, Loss: 1.33853  
Epoch: 21, Step: 2530, Loss: 0.580525  
Epoch: 21, Step: 2540, Loss: 0.0139067  
Epoch: 21, Step: 2550, Loss: 0.0206715  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 22, Step: 2200, Loss: 0.0329581  
Epoch: 22, Step: 2210, Loss: 0.0406522  
Epoch: 22, Step: 2220, Loss: 0.144636  
Epoch: 22, Step: 2230, Loss: 0.603276  
Epoch: 22, Step: 2240, Loss: 0.443801  
Epoch: 22, Step: 2250, Loss: 0.133554  
Epoch: 22, Step: 2260, Loss: 0.0511941  
Epoch: 22, Step: 2270, Loss: 0.0251582  
Epoch: 22, Step: 2280, Loss: 0.074693  
Epoch: 22, Step: 2290, Loss: 0.527634  
Epoch: 22, Step: 2300, Loss: 1.44637  
Epoch: 22, Step: 2310, Loss: 0.556299  
Epoch: 22, Step: 2320, Loss: 0.119567  
Epoch: 22, Step: 2330, Loss: 0.0231243  
Epoch: 22, Step: 2340, Loss: 0.0136051  
Epoch: 22, Step: 2350, Loss: 0.00887615  
Epoch: 22, Step: 2360, Loss: 0.0172003  
Epoch: 22, Step: 2370, Loss: 0.0398164  
Epoch: 22, Step: 2380, Loss: 0.0589817  
Epoch: 22, Step: 2390, Loss: 0.0102074  
Epoch: 22, Step: 2400, Loss: 0.0894127  
Epoch: 22, Step: 2410, Loss: 0.21489  
Epoch: 22, Step: 2420, Loss: 0.289151  
Epoch: 22, Step: 2430, Loss: 0.212712  
Epoch: 22, Step: 2440, Loss: 0.0180617  
Epoch: 22, Step: 2450, Loss: 0.016787  
Epoch: 22, Step: 2460, Loss: 0.0163428  
Epoch: 22, Step: 2470, Loss: 0.0159641  
Epoch: 22, Step: 2480, Loss: 0.0226001  
Epoch: 22, Step: 2490, Loss: 2.53873  
Epoch: 22, Step: 2500, Loss: 2.98009

Epoch: 22, Step: 2510, Loss: 0.0199495  
Epoch: 22, Step: 2520, Loss: 0.0110807  
Epoch: 22, Step: 2530, Loss: 0.0110882  
Epoch: 22, Step: 2540, Loss: 0.0189841  
Epoch: 22, Step: 2550, Loss: 0.0102634  
Epoch: 22, Step: 2560, Loss: 0.0124006  
Epoch: 22, Step: 2570, Loss: 0.00794525  
Epoch: 22, Step: 2580, Loss: 0.00857881  
Epoch: 22, Step: 2590, Loss: 0.00920141  
Epoch: 22, Step: 2600, Loss: 0.00686228  
Epoch: 22, Step: 2610, Loss: 0.015214  
Epoch: 22, Step: 2620, Loss: 0.0486486  
Epoch: 22, Step: 2630, Loss: 0.0452045  
Epoch: 22, Step: 2640, Loss: 0.00803205  
Epoch: 22, Step: 2650, Loss: 0.00642609  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 23, Step: 2300, Loss: 0.00663901  
Epoch: 23, Step: 2310, Loss: 0.00693466  
Epoch: 23, Step: 2320, Loss: 0.00609876  
Epoch: 23, Step: 2330, Loss: 0.00735231  
Epoch: 23, Step: 2340, Loss: 0.0058708  
Epoch: 23, Step: 2350, Loss: 0.00588771  
Epoch: 23, Step: 2360, Loss: 0.00692789  
Epoch: 23, Step: 2370, Loss: 0.00637547  
Epoch: 23, Step: 2380, Loss: 0.00707921  
Epoch: 23, Step: 2390, Loss: 0.00632767  
Epoch: 23, Step: 2400, Loss: 0.00655348  
Epoch: 23, Step: 2410, Loss: 0.00686613  
Epoch: 23, Step: 2420, Loss: 0.00704514  
Epoch: 23, Step: 2430, Loss: 0.0423499  
Epoch: 23, Step: 2440, Loss: 0.0374407  
Epoch: 23, Step: 2450, Loss: 4.75692  
Epoch: 23, Step: 2460, Loss: 0.781475  
Epoch: 23, Step: 2470, Loss: 0.00688895  
Epoch: 23, Step: 2480, Loss: 0.0224701  
Epoch: 23, Step: 2490, Loss: 0.0673119  
Epoch: 23, Step: 2500, Loss: 0.0822602  
Epoch: 23, Step: 2510, Loss: 0.0172534  
Epoch: 23, Step: 2520, Loss: 0.0933017  
Epoch: 23, Step: 2530, Loss: 0.083518  
Epoch: 23, Step: 2540, Loss: 0.00684136  
Epoch: 23, Step: 2550, Loss: 0.0528236  
Epoch: 23, Step: 2560, Loss: 0.0170591  
Epoch: 23, Step: 2570, Loss: 0.0198768  
Epoch: 23, Step: 2580, Loss: 0.00967939  
Epoch: 23, Step: 2590, Loss: 0.156318  
Epoch: 23, Step: 2600, Loss: 0.0460735  
Epoch: 23, Step: 2610, Loss: 0.134102

Epoch: 23, Step: 2620, Loss: 0.0796272  
Epoch: 23, Step: 2630, Loss: 0.0382459  
Epoch: 23, Step: 2640, Loss: 0.0245942  
Epoch: 23, Step: 2650, Loss: 0.0258997  
Epoch: 23, Step: 2660, Loss: 0.0240148  
Epoch: 23, Step: 2670, Loss: 0.0246404  
Epoch: 23, Step: 2680, Loss: 0.0235037  
Epoch: 23, Step: 2690, Loss: 0.021417  
Epoch: 23, Step: 2700, Loss: 0.0199525  
Epoch: 23, Step: 2710, Loss: 0.0354254  
Epoch: 23, Step: 2720, Loss: 0.0308652  
Epoch: 23, Step: 2730, Loss: 0.0183899  
Epoch: 23, Step: 2740, Loss: 0.0175205  
Epoch: 23, Step: 2750, Loss: 0.0707139  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 24, Step: 2400, Loss: 0.0420896  
Epoch: 24, Step: 2410, Loss: 0.323991  
Epoch: 24, Step: 2420, Loss: 0.0139847  
Epoch: 24, Step: 2430, Loss: 0.0827712  
Epoch: 24, Step: 2440, Loss: 0.0948485  
Epoch: 24, Step: 2450, Loss: 0.404923  
Epoch: 24, Step: 2460, Loss: 0.0644062  
Epoch: 24, Step: 2470, Loss: 0.111979  
Epoch: 24, Step: 2480, Loss: 0.282519  
Epoch: 24, Step: 2490, Loss: 0.234697  
Epoch: 24, Step: 2500, Loss: 0.0275352  
Epoch: 24, Step: 2510, Loss: 0.033576  
Epoch: 24, Step: 2520, Loss: 0.0138431  
Epoch: 24, Step: 2530, Loss: 0.0550893  
Epoch: 24, Step: 2540, Loss: 0.153372  
Epoch: 24, Step: 2550, Loss: 0.810602  
Epoch: 24, Step: 2560, Loss: 0.269144  
Epoch: 24, Step: 2570, Loss: 0.960147  
Epoch: 24, Step: 2580, Loss: 0.444965  
Epoch: 24, Step: 2590, Loss: 0.48392  
Epoch: 24, Step: 2600, Loss: 0.355346  
Epoch: 24, Step: 2610, Loss: 0.0165593  
Epoch: 24, Step: 2620, Loss: 0.0252013  
Epoch: 24, Step: 2630, Loss: 0.0655062  
Epoch: 24, Step: 2640, Loss: 0.176559  
Epoch: 24, Step: 2650, Loss: 0.909581  
Epoch: 24, Step: 2660, Loss: 0.207462  
Epoch: 24, Step: 2670, Loss: 2.07426  
Epoch: 24, Step: 2680, Loss: 0.587699  
Epoch: 24, Step: 2690, Loss: 1.1299  
Epoch: 24, Step: 2700, Loss: 0.137754  
Epoch: 24, Step: 2710, Loss: 0.00718332  
Epoch: 24, Step: 2720, Loss: 0.164579

Epoch: 24, Step: 2730, Loss: 1.31046  
Epoch: 24, Step: 2740, Loss: 0.693822  
Epoch: 24, Step: 2750, Loss: 0.112807  
Epoch: 24, Step: 2760, Loss: 0.0383623  
Epoch: 24, Step: 2770, Loss: 0.0814778  
Epoch: 24, Step: 2780, Loss: 0.404593  
Epoch: 24, Step: 2790, Loss: 0.201048  
Epoch: 24, Step: 2800, Loss: 1.11037  
Epoch: 24, Step: 2810, Loss: 0.78037  
Epoch: 24, Step: 2820, Loss: 0.0739457  
Epoch: 24, Step: 2830, Loss: 0.0118276  
Epoch: 24, Step: 2840, Loss: 0.0213739  
Epoch: 24, Step: 2850, Loss: 0.0293339  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 25, Step: 2500, Loss: 0.0524078  
Epoch: 25, Step: 2510, Loss: 0.562964  
Epoch: 25, Step: 2520, Loss: 0.544567  
Epoch: 25, Step: 2530, Loss: 0.159397  
Epoch: 25, Step: 2540, Loss: 0.0439485  
Epoch: 25, Step: 2550, Loss: 0.0268341  
Epoch: 25, Step: 2560, Loss: 0.0369694  
Epoch: 25, Step: 2570, Loss: 0.291445  
Epoch: 25, Step: 2580, Loss: 1.40094  
Epoch: 25, Step: 2590, Loss: 0.818528  
Epoch: 25, Step: 2600, Loss: 0.0802292  
Epoch: 25, Step: 2610, Loss: 0.054316  
Epoch: 25, Step: 2620, Loss: 0.00658322  
Epoch: 25, Step: 2630, Loss: 0.00512931  
Epoch: 25, Step: 2640, Loss: 0.0113445  
Epoch: 25, Step: 2650, Loss: 0.0331786  
Epoch: 25, Step: 2660, Loss: 0.0685397  
Epoch: 25, Step: 2670, Loss: 0.00406282  
Epoch: 25, Step: 2680, Loss: 0.0432923  
Epoch: 25, Step: 2690, Loss: 0.135045  
Epoch: 25, Step: 2700, Loss: 0.367817  
Epoch: 25, Step: 2710, Loss: 0.216463  
Epoch: 25, Step: 2720, Loss: 0.0171345  
Epoch: 25, Step: 2730, Loss: 0.0119332  
Epoch: 25, Step: 2740, Loss: 0.0116247  
Epoch: 25, Step: 2750, Loss: 0.0122599  
Epoch: 25, Step: 2760, Loss: 0.0146929  
Epoch: 25, Step: 2770, Loss: 1.07343  
Epoch: 25, Step: 2780, Loss: 4.38052  
Epoch: 25, Step: 2790, Loss: 0.0199258  
Epoch: 25, Step: 2800, Loss: 0.00794476  
Epoch: 25, Step: 2810, Loss: 0.00840967  
Epoch: 25, Step: 2820, Loss: 0.0138009  
Epoch: 25, Step: 2830, Loss: 0.00807622

Epoch: 25, Step: 2840, Loss: 0.00773557  
Epoch: 25, Step: 2850, Loss: 0.00423188  
Epoch: 25, Step: 2860, Loss: 0.00372003  
Epoch: 25, Step: 2870, Loss: 0.00408824  
Epoch: 25, Step: 2880, Loss: 0.00238851  
Epoch: 25, Step: 2890, Loss: 0.00648819  
Epoch: 25, Step: 2900, Loss: 0.0415928  
Epoch: 25, Step: 2910, Loss: 0.0434229  
Epoch: 25, Step: 2920, Loss: 0.0130299  
Epoch: 25, Step: 2930, Loss: 0.00215814  
Epoch: 25, Step: 2940, Loss: 0.00268345  
Epoch: 25, Step: 2950, Loss: 0.00297649  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 26, Step: 2600, Loss: 0.00236412  
Epoch: 26, Step: 2610, Loss: 0.00308271  
Epoch: 26, Step: 2620, Loss: 0.00282717  
Epoch: 26, Step: 2630, Loss: 0.00215645  
Epoch: 26, Step: 2640, Loss: 0.00402828  
Epoch: 26, Step: 2650, Loss: 0.00287253  
Epoch: 26, Step: 2660, Loss: 0.00359101  
Epoch: 26, Step: 2670, Loss: 0.0032864  
Epoch: 26, Step: 2680, Loss: 0.00285081  
Epoch: 26, Step: 2690, Loss: 0.00233667  
Epoch: 26, Step: 2700, Loss: 0.00307231  
Epoch: 26, Step: 2710, Loss: 0.0244771  
Epoch: 26, Step: 2720, Loss: 0.0476025  
Epoch: 26, Step: 2730, Loss: 3.30732  
Epoch: 26, Step: 2740, Loss: 2.16389  
Epoch: 26, Step: 2750, Loss: 0.00374395  
Epoch: 26, Step: 2760, Loss: 0.0053369  
Epoch: 26, Step: 2770, Loss: 0.0658271  
Epoch: 26, Step: 2780, Loss: 0.0768876  
Epoch: 26, Step: 2790, Loss: 0.0371561  
Epoch: 26, Step: 2800, Loss: 0.0649044  
Epoch: 26, Step: 2810, Loss: 0.101569  
Epoch: 26, Step: 2820, Loss: 0.00432978  
Epoch: 26, Step: 2830, Loss: 0.0346222  
Epoch: 26, Step: 2840, Loss: 0.0209341  
Epoch: 26, Step: 2850, Loss: 0.0168473  
Epoch: 26, Step: 2860, Loss: 0.00783756  
Epoch: 26, Step: 2870, Loss: 0.122221  
Epoch: 26, Step: 2880, Loss: 0.0761723  
Epoch: 26, Step: 2890, Loss: 0.105777  
Epoch: 26, Step: 2900, Loss: 0.112294  
Epoch: 26, Step: 2910, Loss: 0.0236356  
Epoch: 26, Step: 2920, Loss: 0.0227678  
Epoch: 26, Step: 2930, Loss: 0.0187499  
Epoch: 26, Step: 2940, Loss: 0.0166912

Epoch: 26, Step: 2950, Loss: 0.0165789  
Epoch: 26, Step: 2960, Loss: 0.0158714  
Epoch: 26, Step: 2970, Loss: 0.015934  
Epoch: 26, Step: 2980, Loss: 0.0150704  
Epoch: 26, Step: 2990, Loss: 0.0290132  
Epoch: 26, Step: 3000, Loss: 0.0259147  
Epoch: 26, Step: 3010, Loss: 0.0219548  
Epoch: 26, Step: 3020, Loss: 0.0092919  
Epoch: 26, Step: 3030, Loss: 0.048248  
Epoch: 26, Step: 3040, Loss: 0.0706282  
Epoch: 26, Step: 3050, Loss: 0.298924  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 27, Step: 2700, Loss: 0.0193879  
Epoch: 27, Step: 2710, Loss: 0.0589731  
Epoch: 27, Step: 2720, Loss: 0.108953  
Epoch: 27, Step: 2730, Loss: 0.351657  
Epoch: 27, Step: 2740, Loss: 0.139925  
Epoch: 27, Step: 2750, Loss: 0.0502752  
Epoch: 27, Step: 2760, Loss: 0.266105  
Epoch: 27, Step: 2770, Loss: 0.291757  
Epoch: 27, Step: 2780, Loss: 0.013631  
Epoch: 27, Step: 2790, Loss: 0.0451728  
Epoch: 27, Step: 2800, Loss: 0.00823431  
Epoch: 27, Step: 2810, Loss: 0.0510315  
Epoch: 27, Step: 2820, Loss: 0.0438197  
Epoch: 27, Step: 2830, Loss: 0.842039  
Epoch: 27, Step: 2840, Loss: 0.168974  
Epoch: 27, Step: 2850, Loss: 0.90846  
Epoch: 27, Step: 2860, Loss: 0.661602  
Epoch: 27, Step: 2870, Loss: 0.354205  
Epoch: 27, Step: 2880, Loss: 0.47895  
Epoch: 27, Step: 2890, Loss: 0.0434492  
Epoch: 27, Step: 2900, Loss: 0.0156206  
Epoch: 27, Step: 2910, Loss: 0.0352854  
Epoch: 27, Step: 2920, Loss: 0.180622  
Epoch: 27, Step: 2930, Loss: 0.637183  
Epoch: 27, Step: 2940, Loss: 0.489487  
Epoch: 27, Step: 2950, Loss: 1.62721  
Epoch: 27, Step: 2960, Loss: 0.924061  
Epoch: 27, Step: 2970, Loss: 1.05633  
Epoch: 27, Step: 2980, Loss: 0.303784  
Epoch: 27, Step: 2990, Loss: 0.00393474  
Epoch: 27, Step: 3000, Loss: 0.0717323  
Epoch: 27, Step: 3010, Loss: 1.11139  
Epoch: 27, Step: 3020, Loss: 1.02881  
Epoch: 27, Step: 3030, Loss: 0.073528  
Epoch: 27, Step: 3040, Loss: 0.0665916  
Epoch: 27, Step: 3050, Loss: 0.0347657

Epoch: 27, Step: 3060, Loss: 0.392124  
Epoch: 27, Step: 3070, Loss: 0.164733  
Epoch: 27, Step: 3080, Loss: 0.911628  
Epoch: 27, Step: 3090, Loss: 0.938586  
Epoch: 27, Step: 3100, Loss: 0.196363  
Epoch: 27, Step: 3110, Loss: 0.00722238  
Epoch: 27, Step: 3120, Loss: 0.0156472  
Epoch: 27, Step: 3130, Loss: 0.0256577  
Epoch: 27, Step: 3140, Loss: 0.0344104  
Epoch: 27, Step: 3150, Loss: 0.461893  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 28, Step: 2800, Loss: 0.616253  
Epoch: 28, Step: 2810, Loss: 0.208351  
Epoch: 28, Step: 2820, Loss: 0.0451068  
Epoch: 28, Step: 2830, Loss: 0.0344056  
Epoch: 28, Step: 2840, Loss: 0.0203789  
Epoch: 28, Step: 2850, Loss: 0.160444  
Epoch: 28, Step: 2860, Loss: 1.21367  
Epoch: 28, Step: 2870, Loss: 1.20403  
Epoch: 28, Step: 2880, Loss: 0.0523455  
Epoch: 28, Step: 2890, Loss: 0.0943784  
Epoch: 28, Step: 2900, Loss: 0.00251545  
Epoch: 28, Step: 2910, Loss: 0.00733563  
Epoch: 28, Step: 2920, Loss: 0.00904558  
Epoch: 28, Step: 2930, Loss: 0.0233353  
Epoch: 28, Step: 2940, Loss: 0.0582764  
Epoch: 28, Step: 2950, Loss: 0.018825  
Epoch: 28, Step: 2960, Loss: 0.0122184  
Epoch: 28, Step: 2970, Loss: 0.120538  
Epoch: 28, Step: 2980, Loss: 0.416092  
Epoch: 28, Step: 2990, Loss: 0.209288  
Epoch: 28, Step: 3000, Loss: 0.0347551  
Epoch: 28, Step: 3010, Loss: 0.0121009  
Epoch: 28, Step: 3020, Loss: 0.0121335  
Epoch: 28, Step: 3030, Loss: 0.0122647  
Epoch: 28, Step: 3040, Loss: 0.0114435  
Epoch: 28, Step: 3050, Loss: 0.225103  
Epoch: 28, Step: 3060, Loss: 5.14516  
Epoch: 28, Step: 3070, Loss: 0.0836403  
Epoch: 28, Step: 3080, Loss: 0.012519  
Epoch: 28, Step: 3090, Loss: 0.00641037  
Epoch: 28, Step: 3100, Loss: 0.0131322  
Epoch: 28, Step: 3110, Loss: 0.0107115  
Epoch: 28, Step: 3120, Loss: 0.00778947  
Epoch: 28, Step: 3130, Loss: 0.00242713  
Epoch: 28, Step: 3140, Loss: 0.00275431  
Epoch: 28, Step: 3150, Loss: 0.00253085  
Epoch: 28, Step: 3160, Loss: 0.00279566

Epoch: 28, Step: 3170, Loss: 0.00479527  
Epoch: 28, Step: 3180, Loss: 0.0254793  
Epoch: 28, Step: 3190, Loss: 0.0375325  
Epoch: 28, Step: 3200, Loss: 0.0177286  
Epoch: 28, Step: 3210, Loss: 0.00237056  
Epoch: 28, Step: 3220, Loss: 0.00144982  
Epoch: 28, Step: 3230, Loss: 0.00225805  
Epoch: 28, Step: 3240, Loss: 0.00193681  
Epoch: 28, Step: 3250, Loss: 0.000986205  
Model saved in file: ./saveassign4\model.ckpt  
Epoch: 29, Step: 2900, Loss: 0.00256935  
Epoch: 29, Step: 2910, Loss: 0.000962029  
Epoch: 29, Step: 2920, Loss: 0.00207856  
Epoch: 29, Step: 2930, Loss: 0.0017701  
Epoch: 29, Step: 2940, Loss: 0.00178802  
Epoch: 29, Step: 2950, Loss: 0.00148889  
Epoch: 29, Step: 2960, Loss: 0.00132765  
Epoch: 29, Step: 2970, Loss: 0.000840545  
Epoch: 29, Step: 2980, Loss: 0.00149485  
Epoch: 29, Step: 2990, Loss: 0.00599646  
Epoch: 29, Step: 3000, Loss: 0.0613303  
Epoch: 29, Step: 3010, Loss: 2.13818  
Epoch: 29, Step: 3020, Loss: 3.31706  
Epoch: 29, Step: 3030, Loss: 0.00546875  
Epoch: 29, Step: 3040, Loss: 0.0012289  
Epoch: 29, Step: 3050, Loss: 0.0588944  
Epoch: 29, Step: 3060, Loss: 0.0678084  
Epoch: 29, Step: 3070, Loss: 0.0620493  
Epoch: 29, Step: 3080, Loss: 0.0372309  
Epoch: 29, Step: 3090, Loss: 0.118911  
Epoch: 29, Step: 3100, Loss: 0.00618176  
Epoch: 29, Step: 3110, Loss: 0.0219533  
Epoch: 29, Step: 3120, Loss: 0.030495  
Epoch: 29, Step: 3130, Loss: 0.014624  
Epoch: 29, Step: 3140, Loss: 0.0136122  
Epoch: 29, Step: 3150, Loss: 0.078794  
Epoch: 29, Step: 3160, Loss: 0.09874  
Epoch: 29, Step: 3170, Loss: 0.0883807  
Epoch: 29, Step: 3180, Loss: 0.141247  
Epoch: 29, Step: 3190, Loss: 0.0160702  
Epoch: 29, Step: 3200, Loss: 0.0290679  
Epoch: 29, Step: 3210, Loss: 0.0188754  
Epoch: 29, Step: 3220, Loss: 0.0160636  
Epoch: 29, Step: 3230, Loss: 0.0159375  
Epoch: 29, Step: 3240, Loss: 0.0166789  
Epoch: 29, Step: 3250, Loss: 0.0175495  
Epoch: 29, Step: 3260, Loss: 0.0178415  
Epoch: 29, Step: 3270, Loss: 0.0322074



Epoch: 29, Step: 3280, Loss: 0.025007  
Epoch: 29, Step: 3290, Loss: 0.0274827  
Epoch: 29, Step: 3300, Loss: 0.00360941  
Epoch: 29, Step: 3310, Loss: 0.0381556  
Epoch: 29, Step: 3320, Loss: 0.0897799  
Epoch: 29, Step: 3330, Loss: 0.238408  
Epoch: 29, Step: 3340, Loss: 0.0757544  
Epoch: 29, Step: 3350, Loss: 0.0429554  
Model saved in file: ./saveassign4\model.ckpt  
Run the command line:  
--> tensorboard --logdir=./logs  
Then open <http://0.0.0.0:6006/> into your web browser

```
In [4]: #model with learning rate of 1e-4
import os
import tensorflow as tf
from tensorflow.core.protobuf import saver_pb2
#import driving_data
#import model

LOGDIR = './saveassign3'

sess = tf.InteractiveSession()

L2NormConst = 0.001

train_vars = tf.trainable_variables()

loss = tf.reduce_mean(tf.square(tf.subtract(model_2.y_, model_2.y))) + tf.add_n([tf.nn
train_step = tf.train.AdamOptimizer(1e-4).minimize(loss)
sess.run(tf.initialize_all_variables())

# create a summary to monitor cost tensor
tf.summary.scalar("loss", loss)
# merge all summaries into a single op
merged_summary_op = tf.summary.merge_all()

saver = tf.train.Saver(write_version = saver_pb2.SaverDef.V2)

# op to write logs to Tensorboard
logs_path = './logs'
summary_writer = tf.summary.FileWriter(logs_path, graph=tf.get_default_graph())

epochs = 35
batch_size = 100

# train over the dataset about 30 times
```

```

for epoch in range(epochs):
    for i in range(int(num_images/batch_size)):
        xs, ys = LoadTrainBatch(batch_size)
        train_step.run(feed_dict={model_2.x: xs, model_2.y_: ys, model_2.keep_prob: 0.5})
        if i % 10 == 0:
            xs, ys = LoadValBatch(batch_size)
            loss_value = loss.eval(feed_dict={model_2.x:xs,model_2.y_: ys, model_2.keep_prob: 0.5})
            print("Epoch: %d, Step: %d, Loss: %g" % (epoch, epoch * batch_size + i, loss_value))

    # write logs at every iteration
    summary = merged_summary_op.eval(feed_dict={model_2.x:xs, model_2.y_: ys, model_2.keep_prob: 0.5})
    summary_writer.add_summary(summary, epoch * num_images/batch_size + i)

    if i % batch_size == 0:
        if not os.path.exists(LOGDIR):
            os.makedirs(LOGDIR)
        checkpoint_path = os.path.join(LOGDIR, "model.ckpt")
        filename = saver.save(sess, checkpoint_path)
    print("Model saved in file: %s" % filename)

print("Run the command line:\n" \
      "--> tensorboard --logdir=./logs " \
      "\nThen open http://0.0.0.0:6006/ into your web browser")

```

WARNING:tensorflow:From c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\tensorflow\python\ops\stateful\_ops.py:115: tf.nn.conv2d is deprecated and will be removed in a future version. Use tf.nn.conv2d\_v2 instead.

c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel\_launcher.py:3: DeprecationWarning: `imread` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0. Use ``imageio.imread`` instead.

c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel\_launcher.py:3: DeprecationWarning: `imresize` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0. Use ``skimage.transform.resize`` instead.

c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel\_launcher.py:4: DeprecationWarning: `imread` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0. Use ``imageio.imread`` instead.

c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel\_launcher.py:4: DeprecationWarning: `imresize` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0. Use ``skimage.transform.resize`` instead.

```

Epoch: 0, Step: 0, Loss: 13.9995
Epoch: 0, Step: 10, Loss: 12.1772
Epoch: 0, Step: 20, Loss: 12.0587
Epoch: 0, Step: 30, Loss: 11.914
Epoch: 0, Step: 40, Loss: 12.018

```

Epoch: 0, Step: 50, Loss: 11.5795  
Epoch: 0, Step: 60, Loss: 11.5813  
Epoch: 0, Step: 70, Loss: 11.6402  
Epoch: 0, Step: 80, Loss: 11.3706  
Epoch: 0, Step: 90, Loss: 11.026  
Epoch: 0, Step: 100, Loss: 10.8737  
Epoch: 0, Step: 110, Loss: 10.7131  
Epoch: 0, Step: 120, Loss: 10.5998  
Epoch: 0, Step: 130, Loss: 10.7651  
Epoch: 0, Step: 140, Loss: 11.1177  
Epoch: 0, Step: 150, Loss: 10.4858  
Epoch: 0, Step: 160, Loss: 10.9171  
Epoch: 0, Step: 170, Loss: 10.1996  
Epoch: 0, Step: 180, Loss: 10.4612  
Epoch: 0, Step: 190, Loss: 10.0729  
Epoch: 0, Step: 200, Loss: 9.60928  
Epoch: 0, Step: 210, Loss: 9.47807  
Epoch: 0, Step: 220, Loss: 9.40136  
Epoch: 0, Step: 230, Loss: 9.37512  
Epoch: 0, Step: 240, Loss: 10.2145  
Epoch: 0, Step: 250, Loss: 9.2264  
Epoch: 0, Step: 260, Loss: 10.9168  
Epoch: 0, Step: 270, Loss: 9.37029  
Epoch: 0, Step: 280, Loss: 9.89346  
Epoch: 0, Step: 290, Loss: 8.70665  
Epoch: 0, Step: 300, Loss: 8.51576  
Epoch: 0, Step: 310, Loss: 8.60797  
Epoch: 0, Step: 320, Loss: 9.58597  
Epoch: 0, Step: 330, Loss: 8.7482  
Epoch: 0, Step: 340, Loss: 8.28966  
Epoch: 0, Step: 350, Loss: 8.06353  
Epoch: 0, Step: 360, Loss: 8.02128  
Epoch: 0, Step: 370, Loss: 8.18833  
Epoch: 0, Step: 380, Loss: 8.04827  
Epoch: 0, Step: 390, Loss: 9.02852  
Epoch: 0, Step: 400, Loss: 8.3613  
Epoch: 0, Step: 410, Loss: 7.54779  
Epoch: 0, Step: 420, Loss: 7.4547  
Epoch: 0, Step: 430, Loss: 7.3884  
Epoch: 0, Step: 440, Loss: 7.31934  
Epoch: 0, Step: 450, Loss: 7.26958  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 1, Step: 100, Loss: 7.66968  
Epoch: 1, Step: 110, Loss: 7.51072  
Epoch: 1, Step: 120, Loss: 7.11275  
Epoch: 1, Step: 130, Loss: 6.95556  
Epoch: 1, Step: 140, Loss: 6.87483  
Epoch: 1, Step: 150, Loss: 6.86002

Epoch: 1, Step: 160, Loss: 7.16481  
Epoch: 1, Step: 170, Loss: 8.20388  
Epoch: 1, Step: 180, Loss: 7.34195  
Epoch: 1, Step: 190, Loss: 6.57544  
Epoch: 1, Step: 200, Loss: 6.4573  
Epoch: 1, Step: 210, Loss: 6.37891  
Epoch: 1, Step: 220, Loss: 6.30768  
Epoch: 1, Step: 230, Loss: 6.24541  
Epoch: 1, Step: 240, Loss: 6.22007  
Epoch: 1, Step: 250, Loss: 6.19081  
Epoch: 1, Step: 260, Loss: 6.05082  
Epoch: 1, Step: 270, Loss: 6.036  
Epoch: 1, Step: 280, Loss: 6.04491  
Epoch: 1, Step: 290, Loss: 6.19752  
Epoch: 1, Step: 300, Loss: 5.98668  
Epoch: 1, Step: 310, Loss: 5.75264  
Epoch: 1, Step: 320, Loss: 5.6926  
Epoch: 1, Step: 330, Loss: 5.63622  
Epoch: 1, Step: 340, Loss: 5.58073  
Epoch: 1, Step: 350, Loss: 5.52885  
Epoch: 1, Step: 360, Loss: 7.26653  
Epoch: 1, Step: 370, Loss: 9.33536  
Epoch: 1, Step: 380, Loss: 5.37537  
Epoch: 1, Step: 390, Loss: 5.31479  
Epoch: 1, Step: 400, Loss: 5.26198  
Epoch: 1, Step: 410, Loss: 5.21368  
Epoch: 1, Step: 420, Loss: 5.16421  
Epoch: 1, Step: 430, Loss: 5.11658  
Epoch: 1, Step: 440, Loss: 5.07147  
Epoch: 1, Step: 450, Loss: 5.02363  
Epoch: 1, Step: 460, Loss: 4.97739  
Epoch: 1, Step: 470, Loss: 4.92657  
Epoch: 1, Step: 480, Loss: 4.88514  
Epoch: 1, Step: 490, Loss: 4.85398  
Epoch: 1, Step: 500, Loss: 4.80822  
Epoch: 1, Step: 510, Loss: 4.75161  
Epoch: 1, Step: 520, Loss: 4.70198  
Epoch: 1, Step: 530, Loss: 4.66031  
Epoch: 1, Step: 540, Loss: 4.6177  
Epoch: 1, Step: 550, Loss: 4.57627  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 2, Step: 200, Loss: 4.56131  
Epoch: 2, Step: 210, Loss: 4.51685  
Epoch: 2, Step: 220, Loss: 4.47756  
Epoch: 2, Step: 230, Loss: 4.44082  
Epoch: 2, Step: 240, Loss: 4.3983  
Epoch: 2, Step: 250, Loss: 4.36188  
Epoch: 2, Step: 260, Loss: 4.32259

Epoch: 2, Step: 270, Loss: 4.28582  
Epoch: 2, Step: 280, Loss: 4.24848  
Epoch: 2, Step: 290, Loss: 4.21271  
Epoch: 2, Step: 300, Loss: 4.22088  
Epoch: 2, Step: 310, Loss: 4.16542  
Epoch: 2, Step: 320, Loss: 8.21338  
Epoch: 2, Step: 330, Loss: 5.67088  
Epoch: 2, Step: 340, Loss: 4.03809  
Epoch: 2, Step: 350, Loss: 4.00831  
Epoch: 2, Step: 360, Loss: 4.00717  
Epoch: 2, Step: 370, Loss: 3.98951  
Epoch: 2, Step: 380, Loss: 3.9136  
Epoch: 2, Step: 390, Loss: 3.96758  
Epoch: 2, Step: 400, Loss: 3.95318  
Epoch: 2, Step: 410, Loss: 3.80721  
Epoch: 2, Step: 420, Loss: 3.82976  
Epoch: 2, Step: 430, Loss: 3.75894  
Epoch: 2, Step: 440, Loss: 3.73347  
Epoch: 2, Step: 450, Loss: 3.69171  
Epoch: 2, Step: 460, Loss: 3.7578  
Epoch: 2, Step: 470, Loss: 3.67039  
Epoch: 2, Step: 480, Loss: 3.75023  
Epoch: 2, Step: 490, Loss: 3.68992  
Epoch: 2, Step: 500, Loss: 3.55733  
Epoch: 2, Step: 510, Loss: 3.52201  
Epoch: 2, Step: 520, Loss: 3.49524  
Epoch: 2, Step: 530, Loss: 3.46686  
Epoch: 2, Step: 540, Loss: 3.44036  
Epoch: 2, Step: 550, Loss: 3.41427  
Epoch: 2, Step: 560, Loss: 3.38829  
Epoch: 2, Step: 570, Loss: 3.36152  
Epoch: 2, Step: 580, Loss: 3.3471  
Epoch: 2, Step: 590, Loss: 3.31832  
Epoch: 2, Step: 600, Loss: 3.29052  
Epoch: 2, Step: 610, Loss: 3.26471  
Epoch: 2, Step: 620, Loss: 3.2712  
Epoch: 2, Step: 630, Loss: 3.24827  
Epoch: 2, Step: 640, Loss: 3.53906  
Epoch: 2, Step: 650, Loss: 3.1791  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 3, Step: 300, Loss: 3.20149  
Epoch: 3, Step: 310, Loss: 3.20221  
Epoch: 3, Step: 320, Loss: 3.44294  
Epoch: 3, Step: 330, Loss: 3.15707  
Epoch: 3, Step: 340, Loss: 3.15277  
Epoch: 3, Step: 350, Loss: 3.36034  
Epoch: 3, Step: 360, Loss: 3.32918  
Epoch: 3, Step: 370, Loss: 3.01185

Epoch: 3, Step: 380, Loss: 3.03821  
Epoch: 3, Step: 390, Loss: 2.96073  
Epoch: 3, Step: 400, Loss: 2.96945  
Epoch: 3, Step: 410, Loss: 3.00525  
Epoch: 3, Step: 420, Loss: 3.83582  
Epoch: 3, Step: 430, Loss: 3.03937  
Epoch: 3, Step: 440, Loss: 3.71583  
Epoch: 3, Step: 450, Loss: 3.34264  
Epoch: 3, Step: 460, Loss: 3.28548  
Epoch: 3, Step: 470, Loss: 3.26155  
Epoch: 3, Step: 480, Loss: 2.81133  
Epoch: 3, Step: 490, Loss: 2.77283  
Epoch: 3, Step: 500, Loss: 2.77375  
Epoch: 3, Step: 510, Loss: 2.87654  
Epoch: 3, Step: 520, Loss: 3.55412  
Epoch: 3, Step: 530, Loss: 3.03438  
Epoch: 3, Step: 540, Loss: 4.47722  
Epoch: 3, Step: 550, Loss: 3.32654  
Epoch: 3, Step: 560, Loss: 3.82492  
Epoch: 3, Step: 570, Loss: 2.85981  
Epoch: 3, Step: 580, Loss: 2.61053  
Epoch: 3, Step: 590, Loss: 2.68162  
Epoch: 3, Step: 600, Loss: 3.71151  
Epoch: 3, Step: 610, Loss: 3.35498  
Epoch: 3, Step: 620, Loss: 2.65421  
Epoch: 3, Step: 630, Loss: 2.58989  
Epoch: 3, Step: 640, Loss: 2.55297  
Epoch: 3, Step: 650, Loss: 2.87021  
Epoch: 3, Step: 660, Loss: 2.65654  
Epoch: 3, Step: 670, Loss: 3.54561  
Epoch: 3, Step: 680, Loss: 3.36803  
Epoch: 3, Step: 690, Loss: 2.59227  
Epoch: 3, Step: 700, Loss: 2.43144  
Epoch: 3, Step: 710, Loss: 2.43011  
Epoch: 3, Step: 720, Loss: 2.42688  
Epoch: 3, Step: 730, Loss: 2.42191  
Epoch: 3, Step: 740, Loss: 2.81412  
Epoch: 3, Step: 750, Loss: 2.87352  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 4, Step: 400, Loss: 2.49198  
Epoch: 4, Step: 410, Loss: 2.35384  
Epoch: 4, Step: 420, Loss: 2.33532  
Epoch: 4, Step: 430, Loss: 2.33718  
Epoch: 4, Step: 440, Loss: 2.52038  
Epoch: 4, Step: 450, Loss: 3.65296  
Epoch: 4, Step: 460, Loss: 3.33379  
Epoch: 4, Step: 470, Loss: 2.2963  
Epoch: 4, Step: 480, Loss: 2.29842

Epoch: 4, Step: 490, Loss: 2.22706  
Epoch: 4, Step: 500, Loss: 2.21838  
Epoch: 4, Step: 510, Loss: 2.2072  
Epoch: 4, Step: 520, Loss: 2.22322  
Epoch: 4, Step: 530, Loss: 2.25674  
Epoch: 4, Step: 540, Loss: 2.17194  
Epoch: 4, Step: 550, Loss: 2.17191  
Epoch: 4, Step: 560, Loss: 2.25221  
Epoch: 4, Step: 570, Loss: 2.49173  
Epoch: 4, Step: 580, Loss: 2.30696  
Epoch: 4, Step: 590, Loss: 2.11179  
Epoch: 4, Step: 600, Loss: 2.09514  
Epoch: 4, Step: 610, Loss: 2.08403  
Epoch: 4, Step: 620, Loss: 2.07277  
Epoch: 4, Step: 630, Loss: 2.06128  
Epoch: 4, Step: 640, Loss: 2.58839  
Epoch: 4, Step: 650, Loss: 7.08689  
Epoch: 4, Step: 660, Loss: 2.07026  
Epoch: 4, Step: 670, Loss: 2.01972  
Epoch: 4, Step: 680, Loss: 2.00498  
Epoch: 4, Step: 690, Loss: 1.99699  
Epoch: 4, Step: 700, Loss: 1.98623  
Epoch: 4, Step: 710, Loss: 1.97378  
Epoch: 4, Step: 720, Loss: 1.968  
Epoch: 4, Step: 730, Loss: 1.95563  
Epoch: 4, Step: 740, Loss: 1.94578  
Epoch: 4, Step: 750, Loss: 1.93407  
Epoch: 4, Step: 760, Loss: 1.92635  
Epoch: 4, Step: 770, Loss: 1.93149  
Epoch: 4, Step: 780, Loss: 1.92588  
Epoch: 4, Step: 790, Loss: 1.90219  
Epoch: 4, Step: 800, Loss: 1.88305  
Epoch: 4, Step: 810, Loss: 1.87223  
Epoch: 4, Step: 820, Loss: 1.86392  
Epoch: 4, Step: 830, Loss: 1.85532  
Epoch: 4, Step: 840, Loss: 1.84544  
Epoch: 4, Step: 850, Loss: 1.83721  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 5, Step: 500, Loss: 1.83182  
Epoch: 5, Step: 510, Loss: 1.82496  
Epoch: 5, Step: 520, Loss: 1.81505  
Epoch: 5, Step: 530, Loss: 1.80657  
Epoch: 5, Step: 540, Loss: 1.79738  
Epoch: 5, Step: 550, Loss: 1.78871  
Epoch: 5, Step: 560, Loss: 1.77823  
Epoch: 5, Step: 570, Loss: 1.77064  
Epoch: 5, Step: 580, Loss: 1.77422  
Epoch: 5, Step: 590, Loss: 1.80966

Epoch: 5, Step: 600, Loss: 4.56873  
Epoch: 5, Step: 610, Loss: 4.55276  
Epoch: 5, Step: 620, Loss: 1.72784  
Epoch: 5, Step: 630, Loss: 1.71617  
Epoch: 5, Step: 640, Loss: 1.75271  
Epoch: 5, Step: 650, Loss: 1.74723  
Epoch: 5, Step: 660, Loss: 1.72853  
Epoch: 5, Step: 670, Loss: 1.74287  
Epoch: 5, Step: 680, Loss: 1.80299  
Epoch: 5, Step: 690, Loss: 1.6674  
Epoch: 5, Step: 700, Loss: 1.68702  
Epoch: 5, Step: 710, Loss: 1.67277  
Epoch: 5, Step: 720, Loss: 1.65556  
Epoch: 5, Step: 730, Loss: 1.64118  
Epoch: 5, Step: 740, Loss: 1.70954  
Epoch: 5, Step: 750, Loss: 1.68957  
Epoch: 5, Step: 760, Loss: 1.70662  
Epoch: 5, Step: 770, Loss: 1.71203  
Epoch: 5, Step: 780, Loss: 1.60866  
Epoch: 5, Step: 790, Loss: 1.60261  
Epoch: 5, Step: 800, Loss: 1.58877  
Epoch: 5, Step: 810, Loss: 1.57999  
Epoch: 5, Step: 820, Loss: 1.57217  
Epoch: 5, Step: 830, Loss: 1.56474  
Epoch: 5, Step: 840, Loss: 1.55856  
Epoch: 5, Step: 850, Loss: 1.55034  
Epoch: 5, Step: 860, Loss: 1.55355  
Epoch: 5, Step: 870, Loss: 1.54179  
Epoch: 5, Step: 880, Loss: 1.53402  
Epoch: 5, Step: 890, Loss: 1.51929  
Epoch: 5, Step: 900, Loss: 1.53526  
Epoch: 5, Step: 910, Loss: 1.56172  
Epoch: 5, Step: 920, Loss: 1.79045  
Epoch: 5, Step: 930, Loss: 1.53477  
Epoch: 5, Step: 940, Loss: 1.51729  
Epoch: 5, Step: 950, Loss: 1.56769  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 6, Step: 600, Loss: 1.75211  
Epoch: 6, Step: 610, Loss: 1.64027  
Epoch: 6, Step: 620, Loss: 1.48549  
Epoch: 6, Step: 630, Loss: 1.72336  
Epoch: 6, Step: 640, Loss: 1.77451  
Epoch: 6, Step: 650, Loss: 1.45357  
Epoch: 6, Step: 660, Loss: 1.48341  
Epoch: 6, Step: 670, Loss: 1.42488  
Epoch: 6, Step: 680, Loss: 1.45405  
Epoch: 6, Step: 690, Loss: 1.42891  
Epoch: 6, Step: 700, Loss: 2.19863



Epoch: 6, Step: 710, Loss: 1.5832  
Epoch: 6, Step: 720, Loss: 2.16644  
Epoch: 6, Step: 730, Loss: 2.0666  
Epoch: 6, Step: 740, Loss: 1.63751  
Epoch: 6, Step: 750, Loss: 1.92288  
Epoch: 6, Step: 760, Loss: 1.44171  
Epoch: 6, Step: 770, Loss: 1.36612  
Epoch: 6, Step: 780, Loss: 1.37085  
Epoch: 6, Step: 790, Loss: 1.46263  
Epoch: 6, Step: 800, Loss: 1.8168  
Epoch: 6, Step: 810, Loss: 2.03671  
Epoch: 6, Step: 820, Loss: 2.59237  
Epoch: 6, Step: 830, Loss: 2.46963  
Epoch: 6, Step: 840, Loss: 2.33689  
Epoch: 6, Step: 850, Loss: 1.74416  
Epoch: 6, Step: 860, Loss: 1.30624  
Epoch: 6, Step: 870, Loss: 1.33052  
Epoch: 6, Step: 880, Loss: 2.18714  
Epoch: 6, Step: 890, Loss: 2.45138  
Epoch: 6, Step: 900, Loss: 1.34235  
Epoch: 6, Step: 910, Loss: 1.35976  
Epoch: 6, Step: 920, Loss: 1.2799  
Epoch: 6, Step: 930, Loss: 1.56055  
Epoch: 6, Step: 940, Loss: 1.46575  
Epoch: 6, Step: 950, Loss: 2.06436  
Epoch: 6, Step: 960, Loss: 2.31939  
Epoch: 6, Step: 970, Loss: 1.51043  
Epoch: 6, Step: 980, Loss: 1.24121  
Epoch: 6, Step: 990, Loss: 1.24962  
Epoch: 6, Step: 1000, Loss: 1.25374  
Epoch: 6, Step: 1010, Loss: 1.25903  
Epoch: 6, Step: 1020, Loss: 1.56748  
Epoch: 6, Step: 1030, Loss: 1.77852  
Epoch: 6, Step: 1040, Loss: 1.41265  
Epoch: 6, Step: 1050, Loss: 1.24816  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 7, Step: 700, Loss: 1.2256  
Epoch: 7, Step: 710, Loss: 1.20066  
Epoch: 7, Step: 720, Loss: 1.31871  
Epoch: 7, Step: 730, Loss: 2.21092  
Epoch: 7, Step: 740, Loss: 2.50567  
Epoch: 7, Step: 750, Loss: 1.24466  
Epoch: 7, Step: 760, Loss: 1.24205  
Epoch: 7, Step: 770, Loss: 1.15679  
Epoch: 7, Step: 780, Loss: 1.16257  
Epoch: 7, Step: 790, Loss: 1.15282  
Epoch: 7, Step: 800, Loss: 1.16028  
Epoch: 7, Step: 810, Loss: 1.18878

Epoch: 7, Step: 820, Loss: 1.16174  
Epoch: 7, Step: 830, Loss: 1.13217  
Epoch: 7, Step: 840, Loss: 1.22633  
Epoch: 7, Step: 850, Loss: 1.52266  
Epoch: 7, Step: 860, Loss: 1.24509  
Epoch: 7, Step: 870, Loss: 1.21485  
Epoch: 7, Step: 880, Loss: 1.10933  
Epoch: 7, Step: 890, Loss: 1.10264  
Epoch: 7, Step: 900, Loss: 1.09695  
Epoch: 7, Step: 910, Loss: 1.09178  
Epoch: 7, Step: 920, Loss: 1.14037  
Epoch: 7, Step: 930, Loss: 6.37446  
Epoch: 7, Step: 940, Loss: 1.26246  
Epoch: 7, Step: 950, Loss: 1.07341  
Epoch: 7, Step: 960, Loss: 1.06255  
Epoch: 7, Step: 970, Loss: 1.06096  
Epoch: 7, Step: 980, Loss: 1.0601  
Epoch: 7, Step: 990, Loss: 1.04746  
Epoch: 7, Step: 1000, Loss: 1.05303  
Epoch: 7, Step: 1010, Loss: 1.042  
Epoch: 7, Step: 1020, Loss: 1.04044  
Epoch: 7, Step: 1030, Loss: 1.04345  
Epoch: 7, Step: 1040, Loss: 1.07005  
Epoch: 7, Step: 1050, Loss: 1.02598  
Epoch: 7, Step: 1060, Loss: 1.03712  
Epoch: 7, Step: 1070, Loss: 1.02864  
Epoch: 7, Step: 1080, Loss: 1.01265  
Epoch: 7, Step: 1090, Loss: 1.00291  
Epoch: 7, Step: 1100, Loss: 1.00217  
Epoch: 7, Step: 1110, Loss: 0.99611  
Epoch: 7, Step: 1120, Loss: 0.990923  
Epoch: 7, Step: 1130, Loss: 0.990134  
Epoch: 7, Step: 1140, Loss: 0.980644  
Epoch: 7, Step: 1150, Loss: 0.978363  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 8, Step: 800, Loss: 0.97801  
Epoch: 8, Step: 810, Loss: 0.97221  
Epoch: 8, Step: 820, Loss: 0.966875  
Epoch: 8, Step: 830, Loss: 0.962198  
Epoch: 8, Step: 840, Loss: 0.956609  
Epoch: 8, Step: 850, Loss: 0.953563  
Epoch: 8, Step: 860, Loss: 0.955458  
Epoch: 8, Step: 870, Loss: 1.00724  
Epoch: 8, Step: 880, Loss: 2.40393  
Epoch: 8, Step: 890, Loss: 5.01913  
Epoch: 8, Step: 900, Loss: 0.939494  
Epoch: 8, Step: 910, Loss: 0.927733  
Epoch: 8, Step: 920, Loss: 0.966926

Epoch: 8, Step: 930, Loss: 0.972456  
Epoch: 8, Step: 940, Loss: 0.975924  
Epoch: 8, Step: 950, Loss: 0.933589  
Epoch: 8, Step: 960, Loss: 1.03596  
Epoch: 8, Step: 970, Loss: 0.914128  
Epoch: 8, Step: 980, Loss: 0.906155  
Epoch: 8, Step: 990, Loss: 0.922548  
Epoch: 8, Step: 1000, Loss: 0.902859  
Epoch: 8, Step: 1010, Loss: 0.896233  
Epoch: 8, Step: 1020, Loss: 0.931762  
Epoch: 8, Step: 1030, Loss: 0.918456  
Epoch: 8, Step: 1040, Loss: 0.964268  
Epoch: 8, Step: 1050, Loss: 0.978676  
Epoch: 8, Step: 1060, Loss: 0.888017  
Epoch: 8, Step: 1070, Loss: 0.889627  
Epoch: 8, Step: 1080, Loss: 0.870674  
Epoch: 8, Step: 1090, Loss: 0.864452  
Epoch: 8, Step: 1100, Loss: 0.867786  
Epoch: 8, Step: 1110, Loss: 0.865137  
Epoch: 8, Step: 1120, Loss: 0.856778  
Epoch: 8, Step: 1130, Loss: 0.852515  
Epoch: 8, Step: 1140, Loss: 0.860455  
Epoch: 8, Step: 1150, Loss: 0.850557  
Epoch: 8, Step: 1160, Loss: 0.850088  
Epoch: 8, Step: 1170, Loss: 0.828667  
Epoch: 8, Step: 1180, Loss: 0.842456  
Epoch: 8, Step: 1190, Loss: 0.889855  
Epoch: 8, Step: 1200, Loss: 1.01289  
Epoch: 8, Step: 1210, Loss: 0.953586  
Epoch: 8, Step: 1220, Loss: 0.829142  
Epoch: 8, Step: 1230, Loss: 0.893751  
Epoch: 8, Step: 1240, Loss: 0.993858  
Epoch: 8, Step: 1250, Loss: 1.08555  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 9, Step: 900, Loss: 0.802835  
Epoch: 9, Step: 910, Loss: 0.945691  
Epoch: 9, Step: 920, Loss: 1.05105  
Epoch: 9, Step: 930, Loss: 0.814946  
Epoch: 9, Step: 940, Loss: 0.844525  
Epoch: 9, Step: 950, Loss: 0.778843  
Epoch: 9, Step: 960, Loss: 0.778781  
Epoch: 9, Step: 970, Loss: 0.78498  
Epoch: 9, Step: 980, Loss: 1.46531  
Epoch: 9, Step: 990, Loss: 1.03735  
Epoch: 9, Step: 1000, Loss: 1.32446  
Epoch: 9, Step: 1010, Loss: 1.46113  
Epoch: 9, Step: 1020, Loss: 0.864474  
Epoch: 9, Step: 1030, Loss: 1.35343

Epoch: 9, Step: 1040, Loss: 0.887575  
Epoch: 9, Step: 1050, Loss: 0.753761  
Epoch: 9, Step: 1060, Loss: 0.774294  
Epoch: 9, Step: 1070, Loss: 0.891807  
Epoch: 9, Step: 1080, Loss: 0.977222  
Epoch: 9, Step: 1090, Loss: 1.664  
Epoch: 9, Step: 1100, Loss: 1.47688  
Epoch: 9, Step: 1110, Loss: 2.48612  
Epoch: 9, Step: 1120, Loss: 1.45854  
Epoch: 9, Step: 1130, Loss: 1.38317  
Epoch: 9, Step: 1140, Loss: 0.717161  
Epoch: 9, Step: 1150, Loss: 0.719615  
Epoch: 9, Step: 1160, Loss: 1.3927  
Epoch: 9, Step: 1170, Loss: 2.10767  
Epoch: 9, Step: 1180, Loss: 0.769958  
Epoch: 9, Step: 1190, Loss: 0.817041  
Epoch: 9, Step: 1200, Loss: 0.695395  
Epoch: 9, Step: 1210, Loss: 0.876062  
Epoch: 9, Step: 1220, Loss: 0.998954  
Epoch: 9, Step: 1230, Loss: 1.18405  
Epoch: 9, Step: 1240, Loss: 1.95057  
Epoch: 9, Step: 1250, Loss: 1.02283  
Epoch: 9, Step: 1260, Loss: 0.676694  
Epoch: 9, Step: 1270, Loss: 0.684354  
Epoch: 9, Step: 1280, Loss: 0.701345  
Epoch: 9, Step: 1290, Loss: 0.739466  
Epoch: 9, Step: 1300, Loss: 0.891644  
Epoch: 9, Step: 1310, Loss: 1.11422  
Epoch: 9, Step: 1320, Loss: 0.893358  
Epoch: 9, Step: 1330, Loss: 0.734285  
Epoch: 9, Step: 1340, Loss: 0.680331  
Epoch: 9, Step: 1350, Loss: 0.656695  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 10, Step: 1000, Loss: 0.75339  
Epoch: 10, Step: 1010, Loss: 1.40951  
Epoch: 10, Step: 1020, Loss: 2.06272  
Epoch: 10, Step: 1030, Loss: 0.858828  
Epoch: 10, Step: 1040, Loss: 0.718295  
Epoch: 10, Step: 1050, Loss: 0.632811  
Epoch: 10, Step: 1060, Loss: 0.63822  
Epoch: 10, Step: 1070, Loss: 0.63069  
Epoch: 10, Step: 1080, Loss: 0.635361  
Epoch: 10, Step: 1090, Loss: 0.656288  
Epoch: 10, Step: 1100, Loss: 0.665204  
Epoch: 10, Step: 1110, Loss: 0.621102  
Epoch: 10, Step: 1120, Loss: 0.72092  
Epoch: 10, Step: 1130, Loss: 0.998931  
Epoch: 10, Step: 1140, Loss: 0.700696

Epoch: 10, Step: 1150, Loss: 0.779717  
Epoch: 10, Step: 1160, Loss: 0.608517  
Epoch: 10, Step: 1170, Loss: 0.607758  
Epoch: 10, Step: 1180, Loss: 0.604846  
Epoch: 10, Step: 1190, Loss: 0.600792  
Epoch: 10, Step: 1200, Loss: 0.622365  
Epoch: 10, Step: 1210, Loss: 5.20821  
Epoch: 10, Step: 1220, Loss: 1.5317  
Epoch: 10, Step: 1230, Loss: 0.592425  
Epoch: 10, Step: 1240, Loss: 0.588891  
Epoch: 10, Step: 1250, Loss: 0.58175  
Epoch: 10, Step: 1260, Loss: 0.579945  
Epoch: 10, Step: 1270, Loss: 0.585864  
Epoch: 10, Step: 1280, Loss: 0.605736  
Epoch: 10, Step: 1290, Loss: 0.574404  
Epoch: 10, Step: 1300, Loss: 0.578633  
Epoch: 10, Step: 1310, Loss: 0.582259  
Epoch: 10, Step: 1320, Loss: 0.580982  
Epoch: 10, Step: 1330, Loss: 0.561744  
Epoch: 10, Step: 1340, Loss: 0.570578  
Epoch: 10, Step: 1350, Loss: 0.562086  
Epoch: 10, Step: 1360, Loss: 0.553909  
Epoch: 10, Step: 1370, Loss: 0.545862  
Epoch: 10, Step: 1380, Loss: 0.546299  
Epoch: 10, Step: 1390, Loss: 0.541715  
Epoch: 10, Step: 1400, Loss: 0.537837  
Epoch: 10, Step: 1410, Loss: 0.539132  
Epoch: 10, Step: 1420, Loss: 0.533383  
Epoch: 10, Step: 1430, Loss: 0.531717  
Epoch: 10, Step: 1440, Loss: 0.531694  
Epoch: 10, Step: 1450, Loss: 0.527341  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 11, Step: 1100, Loss: 0.526501  
Epoch: 11, Step: 1110, Loss: 0.52323  
Epoch: 11, Step: 1120, Loss: 0.521121  
Epoch: 11, Step: 1130, Loss: 0.518813  
Epoch: 11, Step: 1140, Loss: 0.519164  
Epoch: 11, Step: 1150, Loss: 0.579186  
Epoch: 11, Step: 1160, Loss: 0.71082  
Epoch: 11, Step: 1170, Loss: 5.89452  
Epoch: 11, Step: 1180, Loss: 0.514413  
Epoch: 11, Step: 1190, Loss: 0.507076  
Epoch: 11, Step: 1200, Loss: 0.532129  
Epoch: 11, Step: 1210, Loss: 0.508111  
Epoch: 11, Step: 1220, Loss: 0.513291  
Epoch: 11, Step: 1230, Loss: 0.503405  
Epoch: 11, Step: 1240, Loss: 0.67589  
Epoch: 11, Step: 1250, Loss: 0.538447

Epoch: 11, Step: 1260, Loss: 0.4874  
Epoch: 11, Step: 1270, Loss: 0.526123  
Epoch: 11, Step: 1280, Loss: 0.495035  
Epoch: 11, Step: 1290, Loss: 0.489782  
Epoch: 11, Step: 1300, Loss: 0.508047  
Epoch: 11, Step: 1310, Loss: 0.550398  
Epoch: 11, Step: 1320, Loss: 0.524887  
Epoch: 11, Step: 1330, Loss: 0.577969  
Epoch: 11, Step: 1340, Loss: 0.512923  
Epoch: 11, Step: 1350, Loss: 0.499386  
Epoch: 11, Step: 1360, Loss: 0.482735  
Epoch: 11, Step: 1370, Loss: 0.475703  
Epoch: 11, Step: 1380, Loss: 0.475484  
Epoch: 11, Step: 1390, Loss: 0.473425  
Epoch: 11, Step: 1400, Loss: 0.472149  
Epoch: 11, Step: 1410, Loss: 0.468581  
Epoch: 11, Step: 1420, Loss: 0.470227  
Epoch: 11, Step: 1430, Loss: 0.4691  
Epoch: 11, Step: 1440, Loss: 0.470153  
Epoch: 11, Step: 1450, Loss: 0.45043  
Epoch: 11, Step: 1460, Loss: 0.451923  
Epoch: 11, Step: 1470, Loss: 0.483654  
Epoch: 11, Step: 1480, Loss: 0.520659  
Epoch: 11, Step: 1490, Loss: 0.729037  
Epoch: 11, Step: 1500, Loss: 0.442029  
Epoch: 11, Step: 1510, Loss: 0.475991  
Epoch: 11, Step: 1520, Loss: 0.526383  
Epoch: 11, Step: 1530, Loss: 0.613176  
Epoch: 11, Step: 1540, Loss: 0.442405  
Epoch: 11, Step: 1550, Loss: 0.55393  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 12, Step: 1200, Loss: 0.665812  
Epoch: 12, Step: 1210, Loss: 0.555764  
Epoch: 12, Step: 1220, Loss: 0.492344  
Epoch: 12, Step: 1230, Loss: 0.436873  
Epoch: 12, Step: 1240, Loss: 0.423129  
Epoch: 12, Step: 1250, Loss: 0.426962  
Epoch: 12, Step: 1260, Loss: 0.879938  
Epoch: 12, Step: 1270, Loss: 0.793648  
Epoch: 12, Step: 1280, Loss: 0.849452  
Epoch: 12, Step: 1290, Loss: 1.1433  
Epoch: 12, Step: 1300, Loss: 0.515861  
Epoch: 12, Step: 1310, Loss: 0.973812  
Epoch: 12, Step: 1320, Loss: 0.594067  
Epoch: 12, Step: 1330, Loss: 0.409448  
Epoch: 12, Step: 1340, Loss: 0.415368  
Epoch: 12, Step: 1350, Loss: 0.473629  
Epoch: 12, Step: 1360, Loss: 0.546285

Epoch: 12, Step: 1370, Loss: 1.3653  
Epoch: 12, Step: 1380, Loss: 0.695522  
Epoch: 12, Step: 1390, Loss: 2.50632  
Epoch: 12, Step: 1400, Loss: 0.904214  
Epoch: 12, Step: 1410, Loss: 1.29143  
Epoch: 12, Step: 1420, Loss: 0.41036  
Epoch: 12, Step: 1430, Loss: 0.389875  
Epoch: 12, Step: 1440, Loss: 0.743862  
Epoch: 12, Step: 1450, Loss: 1.80778  
Epoch: 12, Step: 1460, Loss: 0.7066  
Epoch: 12, Step: 1470, Loss: 0.517352  
Epoch: 12, Step: 1480, Loss: 0.395195  
Epoch: 12, Step: 1490, Loss: 0.429654  
Epoch: 12, Step: 1500, Loss: 0.671899  
Epoch: 12, Step: 1510, Loss: 0.674208  
Epoch: 12, Step: 1520, Loss: 1.64216  
Epoch: 12, Step: 1530, Loss: 0.881261  
Epoch: 12, Step: 1540, Loss: 0.366232  
Epoch: 12, Step: 1550, Loss: 0.37145  
Epoch: 12, Step: 1560, Loss: 0.379726  
Epoch: 12, Step: 1570, Loss: 0.404923  
Epoch: 12, Step: 1580, Loss: 0.498548  
Epoch: 12, Step: 1590, Loss: 0.834866  
Epoch: 12, Step: 1600, Loss: 0.679698  
Epoch: 12, Step: 1610, Loss: 0.455786  
Epoch: 12, Step: 1620, Loss: 0.377837  
Epoch: 12, Step: 1630, Loss: 0.361525  
Epoch: 12, Step: 1640, Loss: 0.39418  
Epoch: 12, Step: 1650, Loss: 0.831928  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 13, Step: 1300, Loss: 1.63979  
Epoch: 13, Step: 1310, Loss: 0.78959  
Epoch: 13, Step: 1320, Loss: 0.44315  
Epoch: 13, Step: 1330, Loss: 0.348486  
Epoch: 13, Step: 1340, Loss: 0.346174  
Epoch: 13, Step: 1350, Loss: 0.340986  
Epoch: 13, Step: 1360, Loss: 0.343661  
Epoch: 13, Step: 1370, Loss: 0.362818  
Epoch: 13, Step: 1380, Loss: 0.38438  
Epoch: 13, Step: 1390, Loss: 0.336236  
Epoch: 13, Step: 1400, Loss: 0.432464  
Epoch: 13, Step: 1410, Loss: 0.600839  
Epoch: 13, Step: 1420, Loss: 0.580821  
Epoch: 13, Step: 1430, Loss: 0.583388  
Epoch: 13, Step: 1440, Loss: 0.334885  
Epoch: 13, Step: 1450, Loss: 0.325999  
Epoch: 13, Step: 1460, Loss: 0.340383  
Epoch: 13, Step: 1470, Loss: 0.331659

Epoch: 13, Step: 1480, Loss: 0.338865  
Epoch: 13, Step: 1490, Loss: 3.76591  
Epoch: 13, Step: 1500, Loss: 2.92836  
Epoch: 13, Step: 1510, Loss: 0.330798  
Epoch: 13, Step: 1520, Loss: 0.326068  
Epoch: 13, Step: 1530, Loss: 0.317666  
Epoch: 13, Step: 1540, Loss: 0.31455  
Epoch: 13, Step: 1550, Loss: 0.314096  
Epoch: 13, Step: 1560, Loss: 0.316756  
Epoch: 13, Step: 1570, Loss: 0.315918  
Epoch: 13, Step: 1580, Loss: 0.319728  
Epoch: 13, Step: 1590, Loss: 0.312311  
Epoch: 13, Step: 1600, Loss: 0.30753  
Epoch: 13, Step: 1610, Loss: 0.311562  
Epoch: 13, Step: 1620, Loss: 0.330061  
Epoch: 13, Step: 1630, Loss: 0.324109  
Epoch: 13, Step: 1640, Loss: 0.30164  
Epoch: 13, Step: 1650, Loss: 0.297557  
Epoch: 13, Step: 1660, Loss: 0.29862  
Epoch: 13, Step: 1670, Loss: 0.296174  
Epoch: 13, Step: 1680, Loss: 0.294652  
Epoch: 13, Step: 1690, Loss: 0.297508  
Epoch: 13, Step: 1700, Loss: 0.295723  
Epoch: 13, Step: 1710, Loss: 0.29717  
Epoch: 13, Step: 1720, Loss: 0.306821  
Epoch: 13, Step: 1730, Loss: 0.302069  
Epoch: 13, Step: 1740, Loss: 0.303666  
Epoch: 13, Step: 1750, Loss: 0.297244  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 14, Step: 1400, Loss: 0.303085  
Epoch: 14, Step: 1410, Loss: 0.307018  
Epoch: 14, Step: 1420, Loss: 0.307926  
Epoch: 14, Step: 1430, Loss: 0.423023  
Epoch: 14, Step: 1440, Loss: 0.314289  
Epoch: 14, Step: 1450, Loss: 6.17788  
Epoch: 14, Step: 1460, Loss: 0.749044  
Epoch: 14, Step: 1470, Loss: 0.279331  
Epoch: 14, Step: 1480, Loss: 0.292055  
Epoch: 14, Step: 1490, Loss: 0.297678  
Epoch: 14, Step: 1500, Loss: 0.306536  
Epoch: 14, Step: 1510, Loss: 0.279755  
Epoch: 14, Step: 1520, Loss: 0.351324  
Epoch: 14, Step: 1530, Loss: 0.345998  
Epoch: 14, Step: 1540, Loss: 0.270775  
Epoch: 14, Step: 1550, Loss: 0.316956  
Epoch: 14, Step: 1560, Loss: 0.280866  
Epoch: 14, Step: 1570, Loss: 0.278248  
Epoch: 14, Step: 1580, Loss: 0.274425



Epoch: 14, Step: 1590, Loss: 0.419623  
Epoch: 14, Step: 1600, Loss: 0.299373  
Epoch: 14, Step: 1610, Loss: 0.389692  
Epoch: 14, Step: 1620, Loss: 0.332066  
Epoch: 14, Step: 1630, Loss: 0.291986  
Epoch: 14, Step: 1640, Loss: 0.27704  
Epoch: 14, Step: 1650, Loss: 0.275112  
Epoch: 14, Step: 1660, Loss: 0.274959  
Epoch: 14, Step: 1670, Loss: 0.275956  
Epoch: 14, Step: 1680, Loss: 0.277699  
Epoch: 14, Step: 1690, Loss: 0.272107  
Epoch: 14, Step: 1700, Loss: 0.26213  
Epoch: 14, Step: 1710, Loss: 0.260023  
Epoch: 14, Step: 1720, Loss: 0.25405  
Epoch: 14, Step: 1730, Loss: 0.267769  
Epoch: 14, Step: 1740, Loss: 0.299835  
Epoch: 14, Step: 1750, Loss: 0.252046  
Epoch: 14, Step: 1760, Loss: 0.268816  
Epoch: 14, Step: 1770, Loss: 0.640672  
Epoch: 14, Step: 1780, Loss: 0.254477  
Epoch: 14, Step: 1790, Loss: 0.298814  
Epoch: 14, Step: 1800, Loss: 0.299026  
Epoch: 14, Step: 1810, Loss: 0.479005  
Epoch: 14, Step: 1820, Loss: 0.268282  
Epoch: 14, Step: 1830, Loss: 0.334056  
Epoch: 14, Step: 1840, Loss: 0.432822  
Epoch: 14, Step: 1850, Loss: 0.443862  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 15, Step: 1500, Loss: 0.271954  
Epoch: 15, Step: 1510, Loss: 0.26514  
Epoch: 15, Step: 1520, Loss: 0.249097  
Epoch: 15, Step: 1530, Loss: 0.288078  
Epoch: 15, Step: 1540, Loss: 0.433566  
Epoch: 15, Step: 1550, Loss: 0.970788  
Epoch: 15, Step: 1560, Loss: 0.552625  
Epoch: 15, Step: 1570, Loss: 1.18865  
Epoch: 15, Step: 1580, Loss: 0.600187  
Epoch: 15, Step: 1590, Loss: 0.742124  
Epoch: 15, Step: 1600, Loss: 0.553947  
Epoch: 15, Step: 1610, Loss: 0.242648  
Epoch: 15, Step: 1620, Loss: 0.248481  
Epoch: 15, Step: 1630, Loss: 0.294698  
Epoch: 15, Step: 1640, Loss: 0.393588  
Epoch: 15, Step: 1650, Loss: 1.11512  
Epoch: 15, Step: 1660, Loss: 0.391041  
Epoch: 15, Step: 1670, Loss: 2.27318  
Epoch: 15, Step: 1680, Loss: 0.737101  
Epoch: 15, Step: 1690, Loss: 1.46702

Epoch: 15, Step: 1700, Loss: 0.422821  
Epoch: 15, Step: 1710, Loss: 0.285731  
Epoch: 15, Step: 1720, Loss: 0.308369  
Epoch: 15, Step: 1730, Loss: 1.24849  
Epoch: 15, Step: 1740, Loss: 0.857575  
Epoch: 15, Step: 1750, Loss: 0.319557  
Epoch: 15, Step: 1760, Loss: 0.254024  
Epoch: 15, Step: 1770, Loss: 0.296381  
Epoch: 15, Step: 1780, Loss: 0.575673  
Epoch: 15, Step: 1790, Loss: 0.442889  
Epoch: 15, Step: 1800, Loss: 1.37655  
Epoch: 15, Step: 1810, Loss: 0.933434  
Epoch: 15, Step: 1820, Loss: 0.259355  
Epoch: 15, Step: 1830, Loss: 0.224648  
Epoch: 15, Step: 1840, Loss: 0.231713  
Epoch: 15, Step: 1850, Loss: 0.237718  
Epoch: 15, Step: 1860, Loss: 0.273781  
Epoch: 15, Step: 1870, Loss: 0.797586  
Epoch: 15, Step: 1880, Loss: 0.730268  
Epoch: 15, Step: 1890, Loss: 0.358699  
Epoch: 15, Step: 1900, Loss: 0.249739  
Epoch: 15, Step: 1910, Loss: 0.230635  
Epoch: 15, Step: 1920, Loss: 0.251318  
Epoch: 15, Step: 1930, Loss: 0.541185  
Epoch: 15, Step: 1940, Loss: 1.60172  
Epoch: 15, Step: 1950, Loss: 0.925042  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 16, Step: 1600, Loss: 0.290403  
Epoch: 16, Step: 1610, Loss: 0.248722  
Epoch: 16, Step: 1620, Loss: 0.210033  
Epoch: 16, Step: 1630, Loss: 0.206402  
Epoch: 16, Step: 1640, Loss: 0.211286  
Epoch: 16, Step: 1650, Loss: 0.219834  
Epoch: 16, Step: 1660, Loss: 0.336708  
Epoch: 16, Step: 1670, Loss: 0.210708  
Epoch: 16, Step: 1680, Loss: 0.254215  
Epoch: 16, Step: 1690, Loss: 0.386218  
Epoch: 16, Step: 1700, Loss: 0.541006  
Epoch: 16, Step: 1710, Loss: 0.434864  
Epoch: 16, Step: 1720, Loss: 0.218369  
Epoch: 16, Step: 1730, Loss: 0.208566  
Epoch: 16, Step: 1740, Loss: 0.207115  
Epoch: 16, Step: 1750, Loss: 0.206174  
Epoch: 16, Step: 1760, Loss: 0.214018  
Epoch: 16, Step: 1770, Loss: 1.52935  
Epoch: 16, Step: 1780, Loss: 4.27839  
Epoch: 16, Step: 1790, Loss: 0.205599  
Epoch: 16, Step: 1800, Loss: 0.197677

Epoch: 16, Step: 1810, Loss: 0.199266  
Epoch: 16, Step: 1820, Loss: 0.20679  
Epoch: 16, Step: 1830, Loss: 0.19841  
Epoch: 16, Step: 1840, Loss: 0.197371  
Epoch: 16, Step: 1850, Loss: 0.195154  
Epoch: 16, Step: 1860, Loss: 0.193693  
Epoch: 16, Step: 1870, Loss: 0.194493  
Epoch: 16, Step: 1880, Loss: 0.191054  
Epoch: 16, Step: 1890, Loss: 0.195753  
Epoch: 16, Step: 1900, Loss: 0.217774  
Epoch: 16, Step: 1910, Loss: 0.21493  
Epoch: 16, Step: 1920, Loss: 0.196608  
Epoch: 16, Step: 1930, Loss: 0.188191  
Epoch: 16, Step: 1940, Loss: 0.189926  
Epoch: 16, Step: 1950, Loss: 0.190741  
Epoch: 16, Step: 1960, Loss: 0.191147  
Epoch: 16, Step: 1970, Loss: 0.196087  
Epoch: 16, Step: 1980, Loss: 0.239688  
Epoch: 16, Step: 1990, Loss: 0.222532  
Epoch: 16, Step: 2000, Loss: 0.225686  
Epoch: 16, Step: 2010, Loss: 0.220796  
Epoch: 16, Step: 2020, Loss: 0.214425  
Epoch: 16, Step: 2030, Loss: 0.196074  
Epoch: 16, Step: 2040, Loss: 0.202834  
Epoch: 16, Step: 2050, Loss: 0.198414  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 17, Step: 1700, Loss: 0.192487  
Epoch: 17, Step: 1710, Loss: 0.259741  
Epoch: 17, Step: 1720, Loss: 0.234986  
Epoch: 17, Step: 1730, Loss: 3.85995  
Epoch: 17, Step: 1740, Loss: 2.0773  
Epoch: 17, Step: 1750, Loss: 0.184242  
Epoch: 17, Step: 1760, Loss: 0.182993  
Epoch: 17, Step: 1770, Loss: 0.227757  
Epoch: 17, Step: 1780, Loss: 0.240093  
Epoch: 17, Step: 1790, Loss: 0.205667  
Epoch: 17, Step: 1800, Loss: 0.24181  
Epoch: 17, Step: 1810, Loss: 0.274178  
Epoch: 17, Step: 1820, Loss: 0.178333  
Epoch: 17, Step: 1830, Loss: 0.209142  
Epoch: 17, Step: 1840, Loss: 0.192706  
Epoch: 17, Step: 1850, Loss: 0.188694  
Epoch: 17, Step: 1860, Loss: 0.178902  
Epoch: 17, Step: 1870, Loss: 0.272481  
Epoch: 17, Step: 1880, Loss: 0.213607  
Epoch: 17, Step: 1890, Loss: 0.251105  
Epoch: 17, Step: 1900, Loss: 0.21727  
Epoch: 17, Step: 1910, Loss: 0.209822

Epoch: 17, Step: 1920, Loss: 0.193283  
Epoch: 17, Step: 1930, Loss: 0.178459  
Epoch: 17, Step: 1940, Loss: 0.176284  
Epoch: 17, Step: 1950, Loss: 0.177263  
Epoch: 17, Step: 1960, Loss: 0.174382  
Epoch: 17, Step: 1970, Loss: 0.173623  
Epoch: 17, Step: 1980, Loss: 0.170997  
Epoch: 17, Step: 1990, Loss: 0.177704  
Epoch: 17, Step: 2000, Loss: 0.175255  
Epoch: 17, Step: 2010, Loss: 0.17199  
Epoch: 17, Step: 2020, Loss: 0.181756  
Epoch: 17, Step: 2030, Loss: 0.18597  
Epoch: 17, Step: 2040, Loss: 0.203062  
Epoch: 17, Step: 2050, Loss: 0.502627  
Epoch: 17, Step: 2060, Loss: 0.191377  
Epoch: 17, Step: 2070, Loss: 0.200933  
Epoch: 17, Step: 2080, Loss: 0.238258  
Epoch: 17, Step: 2090, Loss: 0.530381  
Epoch: 17, Step: 2100, Loss: 0.277645  
Epoch: 17, Step: 2110, Loss: 0.217738  
Epoch: 17, Step: 2120, Loss: 0.387909  
Epoch: 17, Step: 2130, Loss: 0.408937  
Epoch: 17, Step: 2140, Loss: 0.172501  
Epoch: 17, Step: 2150, Loss: 0.220713  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 18, Step: 1800, Loss: 0.168028  
Epoch: 18, Step: 1810, Loss: 0.203399  
Epoch: 18, Step: 1820, Loss: 0.21608  
Epoch: 18, Step: 1830, Loss: 0.943887  
Epoch: 18, Step: 1840, Loss: 0.324585  
Epoch: 18, Step: 1850, Loss: 0.981649  
Epoch: 18, Step: 1860, Loss: 0.640921  
Epoch: 18, Step: 1870, Loss: 0.492948  
Epoch: 18, Step: 1880, Loss: 0.492038  
Epoch: 18, Step: 1890, Loss: 0.181798  
Epoch: 18, Step: 1900, Loss: 0.169852  
Epoch: 18, Step: 1910, Loss: 0.164334  
Epoch: 18, Step: 1920, Loss: 0.217345  
Epoch: 18, Step: 1930, Loss: 0.871055  
Epoch: 18, Step: 1940, Loss: 0.517026  
Epoch: 18, Step: 1950, Loss: 1.48472  
Epoch: 18, Step: 1960, Loss: 0.826038  
Epoch: 18, Step: 1970, Loss: 1.26901  
Epoch: 18, Step: 1980, Loss: 0.385611  
Epoch: 18, Step: 1990, Loss: 0.179004  
Epoch: 18, Step: 2000, Loss: 0.229713  
Epoch: 18, Step: 2010, Loss: 1.17684  
Epoch: 18, Step: 2020, Loss: 1.13912

Epoch: 18, Step: 2030, Loss: 0.2202  
Epoch: 18, Step: 2040, Loss: 0.22348  
Epoch: 18, Step: 2050, Loss: 0.196533  
Epoch: 18, Step: 2060, Loss: 0.602517  
Epoch: 18, Step: 2070, Loss: 0.300557  
Epoch: 18, Step: 2080, Loss: 1.01444  
Epoch: 18, Step: 2090, Loss: 0.926649  
Epoch: 18, Step: 2100, Loss: 0.311792  
Epoch: 18, Step: 2110, Loss: 0.1577  
Epoch: 18, Step: 2120, Loss: 0.16847  
Epoch: 18, Step: 2130, Loss: 0.169634  
Epoch: 18, Step: 2140, Loss: 0.195265  
Epoch: 18, Step: 2150, Loss: 0.57553  
Epoch: 18, Step: 2160, Loss: 0.66235  
Epoch: 18, Step: 2170, Loss: 0.368628  
Epoch: 18, Step: 2180, Loss: 0.189588  
Epoch: 18, Step: 2190, Loss: 0.178345  
Epoch: 18, Step: 2200, Loss: 0.157885  
Epoch: 18, Step: 2210, Loss: 0.24137  
Epoch: 18, Step: 2220, Loss: 1.0317  
Epoch: 18, Step: 2230, Loss: 0.907172  
Epoch: 18, Step: 2240, Loss: 0.174335  
Epoch: 18, Step: 2250, Loss: 0.181692  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 19, Step: 1900, Loss: 0.158234  
Epoch: 19, Step: 1910, Loss: 0.158976  
Epoch: 19, Step: 1920, Loss: 0.158051  
Epoch: 19, Step: 1930, Loss: 0.161465  
Epoch: 19, Step: 1940, Loss: 0.234135  
Epoch: 19, Step: 1950, Loss: 0.165037  
Epoch: 19, Step: 1960, Loss: 0.162466  
Epoch: 19, Step: 1970, Loss: 0.24799  
Epoch: 19, Step: 1980, Loss: 0.564747  
Epoch: 19, Step: 1990, Loss: 0.44992  
Epoch: 19, Step: 2000, Loss: 0.174572  
Epoch: 19, Step: 2010, Loss: 0.144618  
Epoch: 19, Step: 2020, Loss: 0.149122  
Epoch: 19, Step: 2030, Loss: 0.153813  
Epoch: 19, Step: 2040, Loss: 0.157246  
Epoch: 19, Step: 2050, Loss: 0.447905  
Epoch: 19, Step: 2060, Loss: 5.14071  
Epoch: 19, Step: 2070, Loss: 0.191558  
Epoch: 19, Step: 2080, Loss: 0.148091  
Epoch: 19, Step: 2090, Loss: 0.143209  
Epoch: 19, Step: 2100, Loss: 0.147344  
Epoch: 19, Step: 2110, Loss: 0.147043  
Epoch: 19, Step: 2120, Loss: 0.143415  
Epoch: 19, Step: 2130, Loss: 0.150632

Epoch: 19, Step: 2140, Loss: 0.144387  
Epoch: 19, Step: 2150, Loss: 0.148442  
Epoch: 19, Step: 2160, Loss: 0.147143  
Epoch: 19, Step: 2170, Loss: 0.159009  
Epoch: 19, Step: 2180, Loss: 0.146601  
Epoch: 19, Step: 2190, Loss: 0.154455  
Epoch: 19, Step: 2200, Loss: 0.206193  
Epoch: 19, Step: 2210, Loss: 0.154859  
Epoch: 19, Step: 2220, Loss: 0.167854  
Epoch: 19, Step: 2230, Loss: 0.159227  
Epoch: 19, Step: 2240, Loss: 0.14838  
Epoch: 19, Step: 2250, Loss: 0.144342  
Epoch: 19, Step: 2260, Loss: 0.231694  
Epoch: 19, Step: 2270, Loss: 0.154889  
Epoch: 19, Step: 2280, Loss: 0.145915  
Epoch: 19, Step: 2290, Loss: 0.140164  
Epoch: 19, Step: 2300, Loss: 0.138048  
Epoch: 19, Step: 2310, Loss: 0.145975  
Epoch: 19, Step: 2320, Loss: 0.140833  
Epoch: 19, Step: 2330, Loss: 0.13738  
Epoch: 19, Step: 2340, Loss: 0.137153  
Epoch: 19, Step: 2350, Loss: 0.142102  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 20, Step: 2000, Loss: 0.20181  
Epoch: 20, Step: 2010, Loss: 2.60531  
Epoch: 20, Step: 2020, Loss: 3.2854  
Epoch: 20, Step: 2030, Loss: 0.138039  
Epoch: 20, Step: 2040, Loss: 0.135495  
Epoch: 20, Step: 2050, Loss: 0.195793  
Epoch: 20, Step: 2060, Loss: 0.197819  
Epoch: 20, Step: 2070, Loss: 0.190796  
Epoch: 20, Step: 2080, Loss: 0.172244  
Epoch: 20, Step: 2090, Loss: 0.215458  
Epoch: 20, Step: 2100, Loss: 0.141017  
Epoch: 20, Step: 2110, Loss: 0.146674  
Epoch: 20, Step: 2120, Loss: 0.151322  
Epoch: 20, Step: 2130, Loss: 0.163285  
Epoch: 20, Step: 2140, Loss: 0.142126  
Epoch: 20, Step: 2150, Loss: 0.1419  
Epoch: 20, Step: 2160, Loss: 0.142049  
Epoch: 20, Step: 2170, Loss: 0.263013  
Epoch: 20, Step: 2180, Loss: 0.227499  
Epoch: 20, Step: 2190, Loss: 0.150063  
Epoch: 20, Step: 2200, Loss: 0.166818  
Epoch: 20, Step: 2210, Loss: 0.143993  
Epoch: 20, Step: 2220, Loss: 0.137926  
Epoch: 20, Step: 2230, Loss: 0.138536  
Epoch: 20, Step: 2240, Loss: 0.148382

Epoch: 20, Step: 2250, Loss: 0.150409  
Epoch: 20, Step: 2260, Loss: 0.145422  
Epoch: 20, Step: 2270, Loss: 0.149713  
Epoch: 20, Step: 2280, Loss: 0.141239  
Epoch: 20, Step: 2290, Loss: 0.146138  
Epoch: 20, Step: 2300, Loss: 0.134948  
Epoch: 20, Step: 2310, Loss: 0.161192  
Epoch: 20, Step: 2320, Loss: 0.195584  
Epoch: 20, Step: 2330, Loss: 0.401432  
Epoch: 20, Step: 2340, Loss: 0.194471  
Epoch: 20, Step: 2350, Loss: 0.159003  
Epoch: 20, Step: 2360, Loss: 0.217862  
Epoch: 20, Step: 2370, Loss: 0.382455  
Epoch: 20, Step: 2380, Loss: 0.319506  
Epoch: 20, Step: 2390, Loss: 0.146791  
Epoch: 20, Step: 2400, Loss: 0.300148  
Epoch: 20, Step: 2410, Loss: 0.327146  
Epoch: 20, Step: 2420, Loss: 0.147866  
Epoch: 20, Step: 2430, Loss: 0.206842  
Epoch: 20, Step: 2440, Loss: 0.128127  
Epoch: 20, Step: 2450, Loss: 0.142175  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 21, Step: 2100, Loss: 0.138053  
Epoch: 21, Step: 2110, Loss: 0.54357  
Epoch: 21, Step: 2120, Loss: 0.327598  
Epoch: 21, Step: 2130, Loss: 0.573712  
Epoch: 21, Step: 2140, Loss: 0.460369  
Epoch: 21, Step: 2150, Loss: 0.292383  
Epoch: 21, Step: 2160, Loss: 0.694586  
Epoch: 21, Step: 2170, Loss: 0.179322  
Epoch: 21, Step: 2180, Loss: 0.14107  
Epoch: 21, Step: 2190, Loss: 0.135006  
Epoch: 21, Step: 2200, Loss: 0.213819  
Epoch: 21, Step: 2210, Loss: 0.452467  
Epoch: 21, Step: 2220, Loss: 0.676921  
Epoch: 21, Step: 2230, Loss: 1.27231  
Epoch: 21, Step: 2240, Loss: 1.25517  
Epoch: 21, Step: 2250, Loss: 0.988041  
Epoch: 21, Step: 2260, Loss: 0.481367  
Epoch: 21, Step: 2270, Loss: 0.126786  
Epoch: 21, Step: 2280, Loss: 0.160619  
Epoch: 21, Step: 2290, Loss: 0.95109  
Epoch: 21, Step: 2300, Loss: 1.42595  
Epoch: 21, Step: 2310, Loss: 0.171509  
Epoch: 21, Step: 2320, Loss: 0.212993  
Epoch: 21, Step: 2330, Loss: 0.134199  
Epoch: 21, Step: 2340, Loss: 0.416818  
Epoch: 21, Step: 2350, Loss: 0.383509

Epoch: 21, Step: 2360, Loss: 0.756395  
Epoch: 21, Step: 2370, Loss: 0.922077  
Epoch: 21, Step: 2380, Loss: 0.355786  
Epoch: 21, Step: 2390, Loss: 0.13209  
Epoch: 21, Step: 2400, Loss: 0.126764  
Epoch: 21, Step: 2410, Loss: 0.128154  
Epoch: 21, Step: 2420, Loss: 0.214645  
Epoch: 21, Step: 2430, Loss: 0.210086  
Epoch: 21, Step: 2440, Loss: 0.181299  
Epoch: 21, Step: 2450, Loss: 0.238612  
Epoch: 21, Step: 2460, Loss: 0.19478  
Epoch: 21, Step: 2470, Loss: 0.152426  
Epoch: 21, Step: 2480, Loss: 0.130084  
Epoch: 21, Step: 2490, Loss: 0.40213  
Epoch: 21, Step: 2500, Loss: 0.945351  
Epoch: 21, Step: 2510, Loss: 1.31774  
Epoch: 21, Step: 2520, Loss: 0.207184  
Epoch: 21, Step: 2530, Loss: 0.222685  
Epoch: 21, Step: 2540, Loss: 0.123457  
Epoch: 21, Step: 2550, Loss: 0.126296  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 22, Step: 2200, Loss: 0.128684  
Epoch: 22, Step: 2210, Loss: 0.133382  
Epoch: 22, Step: 2220, Loss: 0.152255  
Epoch: 22, Step: 2230, Loss: 0.151729  
Epoch: 22, Step: 2240, Loss: 0.125218  
Epoch: 22, Step: 2250, Loss: 0.255443  
Epoch: 22, Step: 2260, Loss: 0.548623  
Epoch: 22, Step: 2270, Loss: 0.242367  
Epoch: 22, Step: 2280, Loss: 0.273357  
Epoch: 22, Step: 2290, Loss: 0.133077  
Epoch: 22, Step: 2300, Loss: 0.132842  
Epoch: 22, Step: 2310, Loss: 0.132582  
Epoch: 22, Step: 2320, Loss: 0.13173  
Epoch: 22, Step: 2330, Loss: 0.159698  
Epoch: 22, Step: 2340, Loss: 5.25171  
Epoch: 22, Step: 2350, Loss: 0.384255  
Epoch: 22, Step: 2360, Loss: 0.124899  
Epoch: 22, Step: 2370, Loss: 0.136878  
Epoch: 22, Step: 2380, Loss: 0.130028  
Epoch: 22, Step: 2390, Loss: 0.130066  
Epoch: 22, Step: 2400, Loss: 0.164542  
Epoch: 22, Step: 2410, Loss: 0.175552  
Epoch: 22, Step: 2420, Loss: 0.132507  
Epoch: 22, Step: 2430, Loss: 0.252866  
Epoch: 22, Step: 2440, Loss: 0.16429  
Epoch: 22, Step: 2450, Loss: 0.123525  
Epoch: 22, Step: 2460, Loss: 0.130206



Epoch: 22, Step: 2470, Loss: 0.149247  
Epoch: 22, Step: 2480, Loss: 0.170858  
Epoch: 22, Step: 2490, Loss: 0.150383  
Epoch: 22, Step: 2500, Loss: 0.127895  
Epoch: 22, Step: 2510, Loss: 0.126351  
Epoch: 22, Step: 2520, Loss: 0.126305  
Epoch: 22, Step: 2530, Loss: 0.118443  
Epoch: 22, Step: 2540, Loss: 0.119764  
Epoch: 22, Step: 2550, Loss: 0.117735  
Epoch: 22, Step: 2560, Loss: 0.119891  
Epoch: 22, Step: 2570, Loss: 0.119794  
Epoch: 22, Step: 2580, Loss: 0.118861  
Epoch: 22, Step: 2590, Loss: 0.118141  
Epoch: 22, Step: 2600, Loss: 0.118023  
Epoch: 22, Step: 2610, Loss: 0.117867  
Epoch: 22, Step: 2620, Loss: 0.11819  
Epoch: 22, Step: 2630, Loss: 0.123312  
Epoch: 22, Step: 2640, Loss: 0.202614  
Epoch: 22, Step: 2650, Loss: 1.2152  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 23, Step: 2300, Loss: 4.80131  
Epoch: 23, Step: 2310, Loss: 0.123508  
Epoch: 23, Step: 2320, Loss: 0.125563  
Epoch: 23, Step: 2330, Loss: 0.132493  
Epoch: 23, Step: 2340, Loss: 0.11906  
Epoch: 23, Step: 2350, Loss: 0.134924  
Epoch: 23, Step: 2360, Loss: 0.155074  
Epoch: 23, Step: 2370, Loss: 0.470965  
Epoch: 23, Step: 2380, Loss: 0.130564  
Epoch: 23, Step: 2390, Loss: 0.122115  
Epoch: 23, Step: 2400, Loss: 0.141582  
Epoch: 23, Step: 2410, Loss: 0.137377  
Epoch: 23, Step: 2420, Loss: 0.120842  
Epoch: 23, Step: 2430, Loss: 0.132867  
Epoch: 23, Step: 2440, Loss: 0.128972  
Epoch: 23, Step: 2450, Loss: 0.167702  
Epoch: 23, Step: 2460, Loss: 0.162291  
Epoch: 23, Step: 2470, Loss: 0.134942  
Epoch: 23, Step: 2480, Loss: 0.163051  
Epoch: 23, Step: 2490, Loss: 0.133493  
Epoch: 23, Step: 2500, Loss: 0.123987  
Epoch: 23, Step: 2510, Loss: 0.132073  
Epoch: 23, Step: 2520, Loss: 0.136611  
Epoch: 23, Step: 2530, Loss: 0.137437  
Epoch: 23, Step: 2540, Loss: 0.132948  
Epoch: 23, Step: 2550, Loss: 0.145451  
Epoch: 23, Step: 2560, Loss: 0.136177  
Epoch: 23, Step: 2570, Loss: 0.134225

Epoch: 23, Step: 2580, Loss: 0.117756  
Epoch: 23, Step: 2590, Loss: 0.133269  
Epoch: 23, Step: 2600, Loss: 0.16463  
Epoch: 23, Step: 2610, Loss: 0.280317  
Epoch: 23, Step: 2620, Loss: 0.2859  
Epoch: 23, Step: 2630, Loss: 0.188239  
Epoch: 23, Step: 2640, Loss: 0.160168  
Epoch: 23, Step: 2650, Loss: 0.184086  
Epoch: 23, Step: 2660, Loss: 0.19332  
Epoch: 23, Step: 2670, Loss: 0.129776  
Epoch: 23, Step: 2680, Loss: 0.160391  
Epoch: 23, Step: 2690, Loss: 0.209495  
Epoch: 23, Step: 2700, Loss: 0.303952  
Epoch: 23, Step: 2710, Loss: 0.280301  
Epoch: 23, Step: 2720, Loss: 0.120374  
Epoch: 23, Step: 2730, Loss: 0.16818  
Epoch: 23, Step: 2740, Loss: 0.137113  
Epoch: 23, Step: 2750, Loss: 0.699657  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 24, Step: 2400, Loss: 0.470258  
Epoch: 24, Step: 2410, Loss: 0.705569  
Epoch: 24, Step: 2420, Loss: 0.890965  
Epoch: 24, Step: 2430, Loss: 0.198127  
Epoch: 24, Step: 2440, Loss: 0.610243  
Epoch: 24, Step: 2450, Loss: 0.237318  
Epoch: 24, Step: 2460, Loss: 0.123293  
Epoch: 24, Step: 2470, Loss: 0.14382  
Epoch: 24, Step: 2480, Loss: 0.267865  
Epoch: 24, Step: 2490, Loss: 0.296567  
Epoch: 24, Step: 2500, Loss: 0.941572  
Epoch: 24, Step: 2510, Loss: 0.770033  
Epoch: 24, Step: 2520, Loss: 1.94977  
Epoch: 24, Step: 2530, Loss: 0.691715  
Epoch: 24, Step: 2540, Loss: 0.743209  
Epoch: 24, Step: 2550, Loss: 0.115546  
Epoch: 24, Step: 2560, Loss: 0.122955  
Epoch: 24, Step: 2570, Loss: 0.719573  
Epoch: 24, Step: 2580, Loss: 1.59546  
Epoch: 24, Step: 2590, Loss: 0.215806  
Epoch: 24, Step: 2600, Loss: 0.21642  
Epoch: 24, Step: 2610, Loss: 0.128883  
Epoch: 24, Step: 2620, Loss: 0.269868  
Epoch: 24, Step: 2630, Loss: 0.47568  
Epoch: 24, Step: 2640, Loss: 0.603501  
Epoch: 24, Step: 2650, Loss: 0.924055  
Epoch: 24, Step: 2660, Loss: 0.693346  
Epoch: 24, Step: 2670, Loss: 0.299928  
Epoch: 24, Step: 2680, Loss: 0.135171

Epoch: 24, Step: 2690, Loss: 0.126558  
Epoch: 24, Step: 2700, Loss: 0.200543  
Epoch: 24, Step: 2710, Loss: 0.366432  
Epoch: 24, Step: 2720, Loss: 0.503758  
Epoch: 24, Step: 2730, Loss: 0.391358  
Epoch: 24, Step: 2740, Loss: 0.232491  
Epoch: 24, Step: 2750, Loss: 0.168973  
Epoch: 24, Step: 2760, Loss: 0.134683  
Epoch: 24, Step: 2770, Loss: 0.151799  
Epoch: 24, Step: 2780, Loss: 0.629504  
Epoch: 24, Step: 2790, Loss: 1.19164  
Epoch: 24, Step: 2800, Loss: 0.288072  
Epoch: 24, Step: 2810, Loss: 0.231523  
Epoch: 24, Step: 2820, Loss: 0.111769  
Epoch: 24, Step: 2830, Loss: 0.113774  
Epoch: 24, Step: 2840, Loss: 0.110581  
Epoch: 24, Step: 2850, Loss: 0.121497  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 25, Step: 2500, Loss: 0.130362  
Epoch: 25, Step: 2510, Loss: 0.153608  
Epoch: 25, Step: 2520, Loss: 0.115675  
Epoch: 25, Step: 2530, Loss: 0.210362  
Epoch: 25, Step: 2540, Loss: 0.552816  
Epoch: 25, Step: 2550, Loss: 0.291918  
Epoch: 25, Step: 2560, Loss: 0.461457  
Epoch: 25, Step: 2570, Loss: 0.360414  
Epoch: 25, Step: 2580, Loss: 0.288137  
Epoch: 25, Step: 2590, Loss: 0.267086  
Epoch: 25, Step: 2600, Loss: 0.209912  
Epoch: 25, Step: 2610, Loss: 0.183751  
Epoch: 25, Step: 2620, Loss: 4.84089  
Epoch: 25, Step: 2630, Loss: 1.42571  
Epoch: 25, Step: 2640, Loss: 0.208345  
Epoch: 25, Step: 2650, Loss: 0.126275  
Epoch: 25, Step: 2660, Loss: 0.118471  
Epoch: 25, Step: 2670, Loss: 0.119519  
Epoch: 25, Step: 2680, Loss: 0.127847  
Epoch: 25, Step: 2690, Loss: 0.117875  
Epoch: 25, Step: 2700, Loss: 0.110336  
Epoch: 25, Step: 2710, Loss: 0.109847  
Epoch: 25, Step: 2720, Loss: 0.111424  
Epoch: 25, Step: 2730, Loss: 0.113196  
Epoch: 25, Step: 2740, Loss: 0.118365  
Epoch: 25, Step: 2750, Loss: 0.144161  
Epoch: 25, Step: 2760, Loss: 0.125924  
Epoch: 25, Step: 2770, Loss: 0.109771  
Epoch: 25, Step: 2780, Loss: 0.109363  
Epoch: 25, Step: 2790, Loss: 0.110375

Epoch: 25, Step: 2800, Loss: 0.109296  
Epoch: 25, Step: 2810, Loss: 0.107987  
Epoch: 25, Step: 2820, Loss: 0.110141  
Epoch: 25, Step: 2830, Loss: 0.1082  
Epoch: 25, Step: 2840, Loss: 0.11035  
Epoch: 25, Step: 2850, Loss: 0.115999  
Epoch: 25, Step: 2860, Loss: 0.111615  
Epoch: 25, Step: 2870, Loss: 0.116565  
Epoch: 25, Step: 2880, Loss: 0.114855  
Epoch: 25, Step: 2890, Loss: 0.122493  
Epoch: 25, Step: 2900, Loss: 0.123988  
Epoch: 25, Step: 2910, Loss: 0.131514  
Epoch: 25, Step: 2920, Loss: 0.511946  
Epoch: 25, Step: 2930, Loss: 0.513682  
Epoch: 25, Step: 2940, Loss: 7.23625  
Epoch: 25, Step: 2950, Loss: 0.144194  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 26, Step: 2600, Loss: 0.111598  
Epoch: 26, Step: 2610, Loss: 0.144078  
Epoch: 26, Step: 2620, Loss: 0.134861  
Epoch: 26, Step: 2630, Loss: 0.149201  
Epoch: 26, Step: 2640, Loss: 0.108769  
Epoch: 26, Step: 2650, Loss: 0.184422  
Epoch: 26, Step: 2660, Loss: 0.133457  
Epoch: 26, Step: 2670, Loss: 0.112812  
Epoch: 26, Step: 2680, Loss: 0.120438  
Epoch: 26, Step: 2690, Loss: 0.142167  
Epoch: 26, Step: 2700, Loss: 0.109994  
Epoch: 26, Step: 2710, Loss: 0.146414  
Epoch: 26, Step: 2720, Loss: 0.197512  
Epoch: 26, Step: 2730, Loss: 0.140015  
Epoch: 26, Step: 2740, Loss: 0.14911  
Epoch: 26, Step: 2750, Loss: 0.130513  
Epoch: 26, Step: 2760, Loss: 0.152334  
Epoch: 26, Step: 2770, Loss: 0.131961  
Epoch: 26, Step: 2780, Loss: 0.11408  
Epoch: 26, Step: 2790, Loss: 0.120622  
Epoch: 26, Step: 2800, Loss: 0.122544  
Epoch: 26, Step: 2810, Loss: 0.121621  
Epoch: 26, Step: 2820, Loss: 0.11859  
Epoch: 26, Step: 2830, Loss: 0.11192  
Epoch: 26, Step: 2840, Loss: 0.113475  
Epoch: 26, Step: 2850, Loss: 0.114657  
Epoch: 26, Step: 2860, Loss: 0.118697  
Epoch: 26, Step: 2870, Loss: 0.112743  
Epoch: 26, Step: 2880, Loss: 0.115495  
Epoch: 26, Step: 2890, Loss: 0.299769  
Epoch: 26, Step: 2900, Loss: 1.16216

Epoch: 26, Step: 2910, Loss: 0.167828  
Epoch: 26, Step: 2920, Loss: 0.203856  
Epoch: 26, Step: 2930, Loss: 0.213154  
Epoch: 26, Step: 2940, Loss: 0.212502  
Epoch: 26, Step: 2950, Loss: 0.119463  
Epoch: 26, Step: 2960, Loss: 0.221001  
Epoch: 26, Step: 2970, Loss: 0.317646  
Epoch: 26, Step: 2980, Loss: 0.223173  
Epoch: 26, Step: 2990, Loss: 0.145935  
Epoch: 26, Step: 3000, Loss: 0.113194  
Epoch: 26, Step: 3010, Loss: 0.117082  
Epoch: 26, Step: 3020, Loss: 0.126926  
Epoch: 26, Step: 3030, Loss: 0.45586  
Epoch: 26, Step: 3040, Loss: 0.547249  
Epoch: 26, Step: 3050, Loss: 0.580571  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 27, Step: 2700, Loss: 0.791783  
Epoch: 27, Step: 2710, Loss: 0.230397  
Epoch: 27, Step: 2720, Loss: 0.546028  
Epoch: 27, Step: 2730, Loss: 0.277772  
Epoch: 27, Step: 2740, Loss: 0.113547  
Epoch: 27, Step: 2750, Loss: 0.128293  
Epoch: 27, Step: 2760, Loss: 0.183162  
Epoch: 27, Step: 2770, Loss: 0.232825  
Epoch: 27, Step: 2780, Loss: 0.941179  
Epoch: 27, Step: 2790, Loss: 0.237864  
Epoch: 27, Step: 2800, Loss: 1.53637  
Epoch: 27, Step: 2810, Loss: 0.453509  
Epoch: 27, Step: 2820, Loss: 1.0835  
Epoch: 27, Step: 2830, Loss: 0.135611  
Epoch: 27, Step: 2840, Loss: 0.11396  
Epoch: 27, Step: 2850, Loss: 0.204323  
Epoch: 27, Step: 2860, Loss: 0.777125  
Epoch: 27, Step: 2870, Loss: 0.518539  
Epoch: 27, Step: 2880, Loss: 0.331261  
Epoch: 27, Step: 2890, Loss: 0.121216  
Epoch: 27, Step: 2900, Loss: 0.190788  
Epoch: 27, Step: 2910, Loss: 0.499211  
Epoch: 27, Step: 2920, Loss: 0.674585  
Epoch: 27, Step: 2930, Loss: 1.08045  
Epoch: 27, Step: 2940, Loss: 0.527265  
Epoch: 27, Step: 2950, Loss: 0.111165  
Epoch: 27, Step: 2960, Loss: 0.105215  
Epoch: 27, Step: 2970, Loss: 0.110449  
Epoch: 27, Step: 2980, Loss: 0.152265  
Epoch: 27, Step: 2990, Loss: 0.242046  
Epoch: 27, Step: 3000, Loss: 0.532591  
Epoch: 27, Step: 3010, Loss: 0.484641

Epoch: 27, Step: 3020, Loss: 0.251084  
Epoch: 27, Step: 3030, Loss: 0.150502  
Epoch: 27, Step: 3040, Loss: 0.129396  
Epoch: 27, Step: 3050, Loss: 0.138167  
Epoch: 27, Step: 3060, Loss: 0.491047  
Epoch: 27, Step: 3070, Loss: 1.25733  
Epoch: 27, Step: 3080, Loss: 0.524087  
Epoch: 27, Step: 3090, Loss: 0.203153  
Epoch: 27, Step: 3100, Loss: 0.116389  
Epoch: 27, Step: 3110, Loss: 0.108407  
Epoch: 27, Step: 3120, Loss: 0.104075  
Epoch: 27, Step: 3130, Loss: 0.115806  
Epoch: 27, Step: 3140, Loss: 0.111919  
Epoch: 27, Step: 3150, Loss: 0.150508  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 28, Step: 2800, Loss: 0.127526  
Epoch: 28, Step: 2810, Loss: 0.206904  
Epoch: 28, Step: 2820, Loss: 1.42024  
Epoch: 28, Step: 2830, Loss: 0.238397  
Epoch: 28, Step: 2840, Loss: 0.395957  
Epoch: 28, Step: 2850, Loss: 0.128909  
Epoch: 28, Step: 2860, Loss: 0.17484  
Epoch: 28, Step: 2870, Loss: 0.174928  
Epoch: 28, Step: 2880, Loss: 0.446047  
Epoch: 28, Step: 2890, Loss: 0.52967  
Epoch: 28, Step: 2900, Loss: 3.69896  
Epoch: 28, Step: 2910, Loss: 2.85923  
Epoch: 28, Step: 2920, Loss: 0.120278  
Epoch: 28, Step: 2930, Loss: 0.105898  
Epoch: 28, Step: 2940, Loss: 0.106488  
Epoch: 28, Step: 2950, Loss: 0.112844  
Epoch: 28, Step: 2960, Loss: 0.105286  
Epoch: 28, Step: 2970, Loss: 0.107947  
Epoch: 28, Step: 2980, Loss: 0.107136  
Epoch: 28, Step: 2990, Loss: 0.103476  
Epoch: 28, Step: 3000, Loss: 0.103833  
Epoch: 28, Step: 3010, Loss: 0.103416  
Epoch: 28, Step: 3020, Loss: 0.114252  
Epoch: 28, Step: 3030, Loss: 0.14108  
Epoch: 28, Step: 3040, Loss: 0.126941  
Epoch: 28, Step: 3050, Loss: 0.105417  
Epoch: 28, Step: 3060, Loss: 0.103662  
Epoch: 28, Step: 3070, Loss: 0.11729  
Epoch: 28, Step: 3080, Loss: 0.112896  
Epoch: 28, Step: 3090, Loss: 0.117705  
Epoch: 28, Step: 3100, Loss: 0.105475  
Epoch: 28, Step: 3110, Loss: 0.115983  
Epoch: 28, Step: 3120, Loss: 0.126401

Epoch: 28, Step: 3130, Loss: 0.327683  
Epoch: 28, Step: 3140, Loss: 3.92927  
Epoch: 28, Step: 3150, Loss: 0.645843  
Epoch: 28, Step: 3160, Loss: 0.307754  
Epoch: 28, Step: 3170, Loss: 0.465461  
Epoch: 28, Step: 3180, Loss: 0.1446  
Epoch: 28, Step: 3190, Loss: 0.104279  
Epoch: 28, Step: 3200, Loss: 0.326592  
Epoch: 28, Step: 3210, Loss: 0.207745  
Epoch: 28, Step: 3220, Loss: 5.28919  
Epoch: 28, Step: 3230, Loss: 0.980429  
Epoch: 28, Step: 3240, Loss: 0.135115  
Epoch: 28, Step: 3250, Loss: 0.144426  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 29, Step: 2900, Loss: 0.131325  
Epoch: 29, Step: 2910, Loss: 0.137816  
Epoch: 29, Step: 2920, Loss: 0.112857  
Epoch: 29, Step: 2930, Loss: 0.127553  
Epoch: 29, Step: 2940, Loss: 0.111997  
Epoch: 29, Step: 2950, Loss: 0.108081  
Epoch: 29, Step: 2960, Loss: 0.120441  
Epoch: 29, Step: 2970, Loss: 0.12171  
Epoch: 29, Step: 2980, Loss: 0.111561  
Epoch: 29, Step: 2990, Loss: 0.107517  
Epoch: 29, Step: 3000, Loss: 0.232302  
Epoch: 29, Step: 3010, Loss: 0.137914  
Epoch: 29, Step: 3020, Loss: 0.155922  
Epoch: 29, Step: 3030, Loss: 0.109151  
Epoch: 29, Step: 3040, Loss: 0.157584  
Epoch: 29, Step: 3050, Loss: 0.129594  
Epoch: 29, Step: 3060, Loss: 0.109564  
Epoch: 29, Step: 3070, Loss: 0.12952  
Epoch: 29, Step: 3080, Loss: 0.151756  
Epoch: 29, Step: 3090, Loss: 0.237427  
Epoch: 29, Step: 3100, Loss: 0.500344  
Epoch: 29, Step: 3110, Loss: 1.43761  
Epoch: 29, Step: 3120, Loss: 0.44993  
Epoch: 29, Step: 3130, Loss: 0.150669  
Epoch: 29, Step: 3140, Loss: 0.108269  
Epoch: 29, Step: 3150, Loss: 0.112459  
Epoch: 29, Step: 3160, Loss: 0.134687  
Epoch: 29, Step: 3170, Loss: 0.122138  
Epoch: 29, Step: 3180, Loss: 0.436968  
Epoch: 29, Step: 3190, Loss: 0.113018  
Epoch: 29, Step: 3200, Loss: 0.169768  
Epoch: 29, Step: 3210, Loss: 0.183767  
Epoch: 29, Step: 3220, Loss: 0.484348  
Epoch: 29, Step: 3230, Loss: 0.155784

Epoch: 29, Step: 3240, Loss: 0.171813  
Epoch: 29, Step: 3250, Loss: 0.173879  
Epoch: 29, Step: 3260, Loss: 0.265119  
Epoch: 29, Step: 3270, Loss: 0.125115  
Epoch: 29, Step: 3280, Loss: 0.130895  
Epoch: 29, Step: 3290, Loss: 0.111562  
Epoch: 29, Step: 3300, Loss: 0.144589  
Epoch: 29, Step: 3310, Loss: 0.23739  
Epoch: 29, Step: 3320, Loss: 0.781629  
Epoch: 29, Step: 3330, Loss: 0.334106  
Epoch: 29, Step: 3340, Loss: 0.915012  
Epoch: 29, Step: 3350, Loss: 0.445083  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 30, Step: 3000, Loss: 0.397408  
Epoch: 30, Step: 3010, Loss: 0.226874  
Epoch: 30, Step: 3020, Loss: 0.115361  
Epoch: 30, Step: 3030, Loss: 0.110268  
Epoch: 30, Step: 3040, Loss: 0.11207  
Epoch: 30, Step: 3050, Loss: 0.173351  
Epoch: 30, Step: 3060, Loss: 0.95882  
Epoch: 30, Step: 3070, Loss: 0.436493  
Epoch: 30, Step: 3080, Loss: 0.751543  
Epoch: 30, Step: 3090, Loss: 0.417162  
Epoch: 30, Step: 3100, Loss: 1.44649  
Epoch: 30, Step: 3110, Loss: 0.207778  
Epoch: 30, Step: 3120, Loss: 0.119334  
Epoch: 30, Step: 3130, Loss: 0.210605  
Epoch: 30, Step: 3140, Loss: 1.01842  
Epoch: 30, Step: 3150, Loss: 0.902686  
Epoch: 30, Step: 3160, Loss: 0.149827  
Epoch: 30, Step: 3170, Loss: 0.153755  
Epoch: 30, Step: 3180, Loss: 0.181132  
Epoch: 30, Step: 3190, Loss: 0.618745  
Epoch: 30, Step: 3200, Loss: 0.2636  
Epoch: 30, Step: 3210, Loss: 0.799928  
Epoch: 30, Step: 3220, Loss: 0.432229  
Epoch: 30, Step: 3230, Loss: 0.164971  
Epoch: 30, Step: 3240, Loss: 0.102297  
Epoch: 30, Step: 3250, Loss: 0.104708  
Epoch: 30, Step: 3260, Loss: 0.108106  
Epoch: 30, Step: 3270, Loss: 0.181427  
Epoch: 30, Step: 3280, Loss: 0.547884  
Epoch: 30, Step: 3290, Loss: 0.501992  
Epoch: 30, Step: 3300, Loss: 0.266389  
Epoch: 30, Step: 3310, Loss: 0.13253  
Epoch: 30, Step: 3320, Loss: 0.131465  
Epoch: 30, Step: 3330, Loss: 0.111036  
Epoch: 30, Step: 3340, Loss: 0.229974



Epoch: 30, Step: 3350, Loss: 0.776221  
Epoch: 30, Step: 3360, Loss: 0.459435  
Epoch: 30, Step: 3370, Loss: 0.133596  
Epoch: 30, Step: 3380, Loss: 0.705953  
Epoch: 30, Step: 3390, Loss: 0.569106  
Epoch: 30, Step: 3400, Loss: 0.219607  
Epoch: 30, Step: 3410, Loss: 0.164129  
Epoch: 30, Step: 3420, Loss: 0.110391  
Epoch: 30, Step: 3430, Loss: 0.14728  
Epoch: 30, Step: 3440, Loss: 0.112625  
Epoch: 30, Step: 3450, Loss: 0.152963  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 31, Step: 3100, Loss: 0.404627  
Epoch: 31, Step: 3110, Loss: 0.493312  
Epoch: 31, Step: 3120, Loss: 0.39795  
Epoch: 31, Step: 3130, Loss: 0.290488  
Epoch: 31, Step: 3140, Loss: 0.435574  
Epoch: 31, Step: 3150, Loss: 0.485992  
Epoch: 31, Step: 3160, Loss: 0.477452  
Epoch: 31, Step: 3170, Loss: 0.330488  
Epoch: 31, Step: 3180, Loss: 1.01073  
Epoch: 31, Step: 3190, Loss: 4.12548  
Epoch: 31, Step: 3200, Loss: 0.117287  
Epoch: 31, Step: 3210, Loss: 0.104649  
Epoch: 31, Step: 3220, Loss: 0.11155  
Epoch: 31, Step: 3230, Loss: 0.112604  
Epoch: 31, Step: 3240, Loss: 0.103839  
Epoch: 31, Step: 3250, Loss: 0.103885  
Epoch: 31, Step: 3260, Loss: 0.10547  
Epoch: 31, Step: 3270, Loss: 0.10128  
Epoch: 31, Step: 3280, Loss: 0.11672  
Epoch: 31, Step: 3290, Loss: 0.111106  
Epoch: 31, Step: 3300, Loss: 0.149294  
Epoch: 31, Step: 3310, Loss: 0.103369  
Epoch: 31, Step: 3320, Loss: 0.105926  
Epoch: 31, Step: 3330, Loss: 0.120304  
Epoch: 31, Step: 3340, Loss: 0.117253  
Epoch: 31, Step: 3350, Loss: 0.608052  
Epoch: 31, Step: 3360, Loss: 0.885996  
Epoch: 31, Step: 3370, Loss: 1.52132  
Epoch: 31, Step: 3380, Loss: 0.118929  
Epoch: 31, Step: 3390, Loss: 0.217312  
Epoch: 31, Step: 3400, Loss: 0.112668  
Epoch: 31, Step: 3410, Loss: 0.495804  
Epoch: 31, Step: 3420, Loss: 0.355641  
Epoch: 31, Step: 3430, Loss: 0.129543  
Epoch: 31, Step: 3440, Loss: 0.103008  
Epoch: 31, Step: 3450, Loss: 0.106975

Epoch: 31, Step: 3460, Loss: 0.100827  
Epoch: 31, Step: 3470, Loss: 0.100597  
Epoch: 31, Step: 3480, Loss: 0.135685  
Epoch: 31, Step: 3490, Loss: 0.203361  
Epoch: 31, Step: 3500, Loss: 3.32597  
Epoch: 31, Step: 3510, Loss: 2.61261  
Epoch: 31, Step: 3520, Loss: 0.1068  
Epoch: 31, Step: 3530, Loss: 0.104104  
Epoch: 31, Step: 3540, Loss: 0.16097  
Epoch: 31, Step: 3550, Loss: 0.157235  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 32, Step: 3200, Loss: 0.132134  
Epoch: 32, Step: 3210, Loss: 0.149379  
Epoch: 32, Step: 3220, Loss: 0.152847  
Epoch: 32, Step: 3230, Loss: 0.103957  
Epoch: 32, Step: 3240, Loss: 0.107344  
Epoch: 32, Step: 3250, Loss: 0.124708  
Epoch: 32, Step: 3260, Loss: 0.143844  
Epoch: 32, Step: 3270, Loss: 0.109352  
Epoch: 32, Step: 3280, Loss: 0.112969  
Epoch: 32, Step: 3290, Loss: 0.116946  
Epoch: 32, Step: 3300, Loss: 0.139538  
Epoch: 32, Step: 3310, Loss: 0.119525  
Epoch: 32, Step: 3320, Loss: 0.161601  
Epoch: 32, Step: 3330, Loss: 0.169237  
Epoch: 32, Step: 3340, Loss: 0.380905  
Epoch: 32, Step: 3350, Loss: 0.351028  
Epoch: 32, Step: 3360, Loss: 0.112412  
Epoch: 32, Step: 3370, Loss: 0.113591  
Epoch: 32, Step: 3380, Loss: 0.159287  
Epoch: 32, Step: 3390, Loss: 0.0998249  
Epoch: 32, Step: 3400, Loss: 0.124807  
Epoch: 32, Step: 3410, Loss: 0.126534  
Epoch: 32, Step: 3420, Loss: 0.108104  
Epoch: 32, Step: 3430, Loss: 0.114081  
Epoch: 32, Step: 3440, Loss: 0.117331  
Epoch: 32, Step: 3450, Loss: 0.140082  
Epoch: 32, Step: 3460, Loss: 0.368635  
Epoch: 32, Step: 3470, Loss: 0.120164  
Epoch: 32, Step: 3480, Loss: 0.176302  
Epoch: 32, Step: 3490, Loss: 0.186198  
Epoch: 32, Step: 3500, Loss: 0.378655  
Epoch: 32, Step: 3510, Loss: 0.211005  
Epoch: 32, Step: 3520, Loss: 0.13992  
Epoch: 32, Step: 3530, Loss: 0.229918  
Epoch: 32, Step: 3540, Loss: 0.296964  
Epoch: 32, Step: 3550, Loss: 0.118971  
Epoch: 32, Step: 3560, Loss: 0.136912

Epoch: 32, Step: 3570, Loss: 0.102763  
Epoch: 32, Step: 3580, Loss: 0.149935  
Epoch: 32, Step: 3590, Loss: 0.127194  
Epoch: 32, Step: 3600, Loss: 0.428041  
Epoch: 32, Step: 3610, Loss: 0.245501  
Epoch: 32, Step: 3620, Loss: 0.453529  
Epoch: 32, Step: 3630, Loss: 1.49393  
Epoch: 32, Step: 3640, Loss: 0.918596  
Epoch: 32, Step: 3650, Loss: 0.387467  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 33, Step: 3300, Loss: 0.172357  
Epoch: 33, Step: 3310, Loss: 0.116013  
Epoch: 33, Step: 3320, Loss: 0.107265  
Epoch: 33, Step: 3330, Loss: 0.14448  
Epoch: 33, Step: 3340, Loss: 0.640497  
Epoch: 33, Step: 3350, Loss: 0.437393  
Epoch: 33, Step: 3360, Loss: 1.36234  
Epoch: 33, Step: 3370, Loss: 1.04592  
Epoch: 33, Step: 3380, Loss: 0.973118  
Epoch: 33, Step: 3390, Loss: 0.249872  
Epoch: 33, Step: 3400, Loss: 0.105135  
Epoch: 33, Step: 3410, Loss: 0.189316  
Epoch: 33, Step: 3420, Loss: 1.18661  
Epoch: 33, Step: 3430, Loss: 1.38041  
Epoch: 33, Step: 3440, Loss: 0.137827  
Epoch: 33, Step: 3450, Loss: 0.143361  
Epoch: 33, Step: 3460, Loss: 0.139996  
Epoch: 33, Step: 3470, Loss: 0.54979  
Epoch: 33, Step: 3480, Loss: 0.252189  
Epoch: 33, Step: 3490, Loss: 0.899301  
Epoch: 33, Step: 3500, Loss: 0.584148  
Epoch: 33, Step: 3510, Loss: 0.258795  
Epoch: 33, Step: 3520, Loss: 0.0996227  
Epoch: 33, Step: 3530, Loss: 0.107091  
Epoch: 33, Step: 3540, Loss: 0.142373  
Epoch: 33, Step: 3550, Loss: 0.375303  
Epoch: 33, Step: 3560, Loss: 0.324188  
Epoch: 33, Step: 3570, Loss: 0.266184  
Epoch: 33, Step: 3580, Loss: 0.204153  
Epoch: 33, Step: 3590, Loss: 0.344947  
Epoch: 33, Step: 3600, Loss: 0.234785  
Epoch: 33, Step: 3610, Loss: 0.180756  
Epoch: 33, Step: 3620, Loss: 0.20778  
Epoch: 33, Step: 3630, Loss: 1.00186  
Epoch: 33, Step: 3640, Loss: 0.972806  
Epoch: 33, Step: 3650, Loss: 0.136052  
Epoch: 33, Step: 3660, Loss: 0.395289  
Epoch: 33, Step: 3670, Loss: 0.102522

Epoch: 33, Step: 3680, Loss: 0.101464  
Epoch: 33, Step: 3690, Loss: 0.106402  
Epoch: 33, Step: 3700, Loss: 0.10786  
Epoch: 33, Step: 3710, Loss: 0.131684  
Epoch: 33, Step: 3720, Loss: 0.141377  
Epoch: 33, Step: 3730, Loss: 0.118319  
Epoch: 33, Step: 3740, Loss: 0.233123  
Epoch: 33, Step: 3750, Loss: 0.569376  
Model saved in file: ./saveassign3\model.ckpt  
Epoch: 34, Step: 3400, Loss: 0.470664  
Epoch: 34, Step: 3410, Loss: 0.184659  
Epoch: 34, Step: 3420, Loss: 0.0981833  
Epoch: 34, Step: 3430, Loss: 0.098258  
Epoch: 34, Step: 3440, Loss: 0.0978313  
Epoch: 34, Step: 3450, Loss: 0.108282  
Epoch: 34, Step: 3460, Loss: 0.251954  
Epoch: 34, Step: 3470, Loss: 5.08191  
Epoch: 34, Step: 3480, Loss: 0.174816  
Epoch: 34, Step: 3490, Loss: 0.114582  
Epoch: 34, Step: 3500, Loss: 0.186446  
Epoch: 34, Step: 3510, Loss: 0.189542  
Epoch: 34, Step: 3520, Loss: 0.113682  
Epoch: 34, Step: 3530, Loss: 0.113449  
Epoch: 34, Step: 3540, Loss: 0.141702  
Epoch: 34, Step: 3550, Loss: 0.129376  
Epoch: 34, Step: 3560, Loss: 1.25302  
Epoch: 34, Step: 3570, Loss: 0.266291  
Epoch: 34, Step: 3580, Loss: 0.168691  
Epoch: 34, Step: 3590, Loss: 0.103176  
Epoch: 34, Step: 3600, Loss: 0.114176  
Epoch: 34, Step: 3610, Loss: 0.30347  
Epoch: 34, Step: 3620, Loss: 0.229488  
Epoch: 34, Step: 3630, Loss: 0.49913  
Epoch: 34, Step: 3640, Loss: 0.132358  
Epoch: 34, Step: 3650, Loss: 0.122439  
Epoch: 34, Step: 3660, Loss: 0.10076  
Epoch: 34, Step: 3670, Loss: 0.116999  
Epoch: 34, Step: 3680, Loss: 0.10204  
Epoch: 34, Step: 3690, Loss: 0.119596  
Epoch: 34, Step: 3700, Loss: 0.105661  
Epoch: 34, Step: 3710, Loss: 0.100121  
Epoch: 34, Step: 3720, Loss: 0.101412  
Epoch: 34, Step: 3730, Loss: 0.103566  
Epoch: 34, Step: 3740, Loss: 0.098964  
Epoch: 34, Step: 3750, Loss: 0.0986274  
Epoch: 34, Step: 3760, Loss: 0.103294  
Epoch: 34, Step: 3770, Loss: 0.195844  
Epoch: 34, Step: 3780, Loss: 2.25228

```
Epoch: 34, Step: 3790, Loss: 3.34909
Epoch: 34, Step: 3800, Loss: 0.103549
Epoch: 34, Step: 3810, Loss: 0.113914
Epoch: 34, Step: 3820, Loss: 0.110727
Epoch: 34, Step: 3830, Loss: 0.100173
Epoch: 34, Step: 3840, Loss: 0.122197
Epoch: 34, Step: 3850, Loss: 0.112601
Model saved in file: ./saveassign3\model.ckpt
Run the command line:
--> tensorboard --logdir=./logs
Then open http://0.0.0.0:6006/ into your web browser
```

```
In [16]:
```

```
In [17]: len(train_xs)
```

```
Out[17]: 36324
```

```
In [11]: #pip3 install opencv-python
```

```
import tensorflow as tf
import scipy.misc
#import model
import cv2
from subprocess import call
import math

sess = tf.InteractiveSession()
saver = tf.train.Saver()
saver.restore(sess, "saveassign3/model.ckpt")

img = cv2.imread('steering_wheel_image.jpg',0)
rows,cols = img.shape

smoothed_angle = 0

#read data.txt
xs = []
ys = []
with open("driving_dataset/data.txt") as f:
    for line in f:
        xs.append("driving_dataset/" + line.split()[0])
        #the paper by Nvidia uses the inverse of the turning radius,
        #but steering wheel angle is proportional to the inverse of turning radius
        #so the steering wheel angle in radians is used as the output
        ys.append(float(line.split()[1]) * scipy.pi / 180)
```

```

#get number of images
num_images = len(xs)

i = math.ceil(num_images*0.7)
print("Starting frameofvideo:" +str(i))

while(cv2.waitKey(10) != ord('q')):
    full_image = scipy.misc.imread("driving_dataset/" + str(i) + ".jpg", mode="RGB")
    image = scipy.misc.imresize(full_image[-150:], [66, 200]) / 255.0
    degrees = model_2.y.eval(feed_dict={model_2.x: [image], model_2.keep_prob: 1.0})[0]
    #call("clear")
    #print("Predicted Steering angle: " + str(degrees))
    print("Steering angle: " + str(degrees) + " (pred)\t" + str(ys[i]*180/scipy.pi) +
    cv2.imshow("frame", cv2.cvtColor(full_image, cv2.COLOR_RGB2BGR))
    #make smooth angle transitions by turning the steering wheel based on the difference
    #and the predicted angle
    smoothed_angle += 0.2 * pow(abs((degrees - smoothed_angle)), 2.0 / 3.0) * (degrees - smoothed_angle)
    M = cv2.getRotationMatrix2D((cols/2,rows/2),-smoothed_angle,1)
    dst = cv2.warpAffine(img,M,(cols,rows))
    cv2.imshow("steering wheel", dst)
    i += 1

cv2.destroyAllWindows()

```

INFO:tensorflow:Restoring parameters from saveassign3/model.ckpt

Starting frameofvideo:31785

Steering angle: -4.043464304684733 (pred)	-28.34 (actual)
Steering angle: -4.96236551221969 (pred)	-28.840000000000003 (actual)
Steering angle: -3.954957859646061 (pred)	-29.75 (actual)
Steering angle: -1.439905902989415 (pred)	-31.06 (actual)
Steering angle: 0.25931069316047284 (pred)	-32.27 (actual)
Steering angle: 0.5473397704599106 (pred)	-33.48 (actual)
Steering angle: -0.8502590870367992 (pred)	-34.39 (actual)

c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel\_launcher.py:3:

`imread` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0.

Use ``imageio.imread`` instead.

c:\users\dell\appdata\local\programs\python\python36\lib\site-packages\ipykernel\_launcher.py:4:

`imresize` is deprecated in SciPy 1.0.0, and will be removed in 1.2.0.

Use ``skimage.transform.resize`` instead.

Steering angle: -0.9919940500510263 (pred)	-35.599999999999994 (actual)
Steering angle: -0.5946943257492552 (pred)	-36.5 (actual)
Steering angle: -0.5850727236428229 (pred)	-37.61 (actual)
Steering angle: -0.8339063335033193 (pred)	-38.62 (actual)

Steering angle: -0.20073541772526662 (pred)	-39.63 (actual)
Steering angle: -0.04204109500189786 (pred)	-39.93000000000001 (actual)
Steering angle: -0.4775915862030328 (pred)	-40.03000000000001 (actual)
Steering angle: -0.7887301816723856 (pred)	-40.03000000000001 (actual)
Steering angle: -0.9547515898278855 (pred)	-40.03000000000001 (actual)
Steering angle: -0.7912065521333383 (pred)	-40.03000000000001 (actual)
Steering angle: -0.16672363697954187 (pred)	-40.03000000000001 (actual)
Steering angle: 0.4224832721018428 (pred)	-40.03000000000001 (actual)
Steering angle: 0.668708390029629 (pred)	-40.03000000000001 (actual)
Steering angle: 1.4266741190198078 (pred)	-40.03000000000001 (actual)
Steering angle: 1.8659859100195042 (pred)	-40.24 (actual)
Steering angle: 2.2535615793772927 (pred)	-40.93999999999999 (actual)
Steering angle: 3.8456590381134013 (pred)	-41.14 (actual)
Steering angle: 4.853986631790867 (pred)	-41.14 (actual)
Steering angle: 8.068461485401043 (pred)	-41.14 (actual)
Steering angle: 6.903373793195791 (pred)	-41.34 (actual)
Steering angle: 5.402943022649954 (pred)	-41.45 (actual)
Steering angle: 5.077912676182442 (pred)	-41.45 (actual)
Steering angle: 3.9131805807008546 (pred)	-41.45 (actual)
Steering angle: 2.0707075968991195 (pred)	-41.45 (actual)
Steering angle: 2.0564961076704384 (pred)	-41.45 (actual)
Steering angle: 1.7490436799187772 (pred)	-41.45 (actual)
Steering angle: 1.3112042215720416 (pred)	-41.45 (actual)
Steering angle: 1.1360702738466868 (pred)	-41.45 (actual)
Steering angle: 0.7936564556112573 (pred)	-41.45 (actual)
Steering angle: 0.22699792197078877 (pred)	-40.93999999999999 (actual)
Steering angle: 0.5197823050364363 (pred)	-40.74000000000001 (actual)
Steering angle: 0.6494133190677546 (pred)	-40.74000000000001 (actual)
Steering angle: 0.5645078778255608 (pred)	-40.74000000000001 (actual)
Steering angle: 0.8922685924137858 (pred)	-40.54 (actual)
Steering angle: 0.4864501281131278 (pred)	-39.13 (actual)
Steering angle: 0.42347983939042994 (pred)	-39.33 (actual)
Steering angle: 0.4416647911687658 (pred)	-38.81999999999999 (actual)
Steering angle: 0.47631796936623705 (pred)	-38.02 (actual)
Steering angle: 0.47239616012218033 (pred)	-37.61 (actual)
Steering angle: 0.5087278573081823 (pred)	0.0 (actual)
Steering angle: 0.5120140320726047 (pred)	-36.40000000000006 (actual)
Steering angle: 0.7574711806055875 (pred)	-35.599999999999994 (actual)
Steering angle: 0.8162148628925169 (pred)	-34.49 (actual)
Steering angle: 0.9216695685829287 (pred)	-34.18 (actual)
Steering angle: 1.0431376527824354 (pred)	-33.78 (actual)
Steering angle: 1.1078513472907792 (pred)	-33.28 (actual)
Steering angle: 1.1898123366704627 (pred)	-32.57 (actual)
Steering angle: 1.0765697212223555 (pred)	-31.26 (actual)
Steering angle: 0.9366178644683247 (pred)	-30.149999999999995 (actual)
Steering angle: 0.6288053576813567 (pred)	-28.74000000000002 (actual)
Steering angle: 0.7212139751702211 (pred)	-27.63 (actual)
Steering angle: 0.9082251949754049 (pred)	-27.13000000000003 (actual)

Steering angle: 0.8561159742500851 (pred)	-26.22 (actual)
Steering angle: 1.1672575579271998 (pred)	-25.210000000000004 (actual)
Steering angle: 0.9639531353003621 (pred)	-24.4 (actual)
Steering angle: 0.660791347007938 (pred)	-23.5 (actual)
Steering angle: 0.4526500832316735 (pred)	-23.09 (actual)
Steering angle: 0.32639339609375306 (pred)	-23.09 (actual)
Steering angle: 0.2958421733796976 (pred)	-23.09 (actual)
Steering angle: 0.28967942175764205 (pred)	-22.99 (actual)
Steering angle: 0.4285271357436578 (pred)	-22.49 (actual)
Steering angle: 0.41088048824928364 (pred)	-21.68 (actual)
Steering angle: 0.8037858395937978 (pred)	-20.27 (actual)
Steering angle: 1.0638997203119818 (pred)	-19.36 (actual)
Steering angle: 1.5782650450063633 (pred)	-18.45 (actual)
Steering angle: 1.6781465297774563 (pred)	-16.84 (actual)
Steering angle: 1.6503478732989159 (pred)	-15.730000000000002 (actual)
Steering angle: 1.805221558955309 (pred)	-14.32 (actual)
Steering angle: 1.948785305119807 (pred)	-13.01 (actual)
Steering angle: 2.647362752720136 (pred)	-11.089999999999998 (actual)
Steering angle: 2.703274467822449 (pred)	-9.08 (actual)
Steering angle: 3.1753664710831524 (pred)	-7.87 (actual)
Steering angle: 3.5428829420656713 (pred)	-7.36 (actual)
Steering angle: 3.1635002980607245 (pred)	-7.26 (actual)
Steering angle: 3.2427770230965933 (pred)	-6.45 (actual)
Steering angle: 4.123888501501163 (pred)	-5.55 (actual)
Steering angle: 4.360833313337606 (pred)	-4.64 (actual)
Steering angle: 4.133078094142592 (pred)	-4.03 (actual)
Steering angle: 3.831106466313043 (pred)	-3.13 (actual)
Steering angle: 4.29922756834503 (pred)	-2.02 (actual)
Steering angle: 4.360260858107794 (pred)	-1.11 (actual)
Steering angle: 3.0922759391694776 (pred)	-0.61 (actual)
Steering angle: 2.4969472596010576 (pred)	-0.2 (actual)
Steering angle: 2.267433053251354 (pred)	0.1 (actual)
Steering angle: 0.4191486456829956 (pred)	0.5 (actual)
Steering angle: 0.1370024956930545 (pred)	0.71 (actual)
Steering angle: 0.005950375427550484 (pred)	0.71 (actual)
Steering angle: 0.11046464944661623 (pred)	0.5 (actual)
Steering angle: -0.06119849496331425 (pred)	0.0 (actual)
Steering angle: -0.07385099351393974 (pred)	-1.11 (actual)
Steering angle: -0.6675472578707269 (pred)	-2.22 (actual)
Steering angle: -0.6390444515774405 (pred)	-3.23 (actual)
Steering angle: -1.510113417467976 (pred)	-5.139999999999999 (actual)
Steering angle: -1.126673000765807 (pred)	-6.050000000000001 (actual)
Steering angle: -0.6997772130167245 (pred)	-6.96 (actual)
Steering angle: -0.40489147956424026 (pred)	-7.26 (actual)
Steering angle: 0.01790576779601155 (pred)	-7.26 (actual)
Steering angle: -0.04672575099888036 (pred)	-7.26 (actual)
Steering angle: -0.03850903342735502 (pred)	-7.26 (actual)
Steering angle: 0.07498352425569248 (pred)	-7.460000000000001 (actual)



Steering angle: 0.21698956040260448 (pred)	-7.559999999999999 (actual)
Steering angle: 0.2399586328077111 (pred)	-7.559999999999999 (actual)
Steering angle: 0.06802398837827262 (pred)	-7.559999999999999 (actual)
Steering angle: -0.5699903852949654 (pred)	-7.559999999999999 (actual)
Steering angle: -0.9834106366984359 (pred)	-7.559999999999999 (actual)
Steering angle: -1.1598156399396478 (pred)	-7.460000000000001 (actual)
Steering angle: -1.320839910943637 (pred)	-7.26 (actual)
Steering angle: -1.6731700966368672 (pred)	0.0 (actual)
Steering angle: -2.4395463498162706 (pred)	-6.96 (actual)
Steering angle: -3.6580905175606264 (pred)	-6.96 (actual)
Steering angle: -2.481236970736382 (pred)	-6.860000000000001 (actual)
Steering angle: -2.068161216999174 (pred)	-6.860000000000001 (actual)
Steering angle: -2.5105350671811517 (pred)	-6.860000000000001 (actual)
Steering angle: -2.44340711424462 (pred)	-6.860000000000001 (actual)
Steering angle: -2.659676089689788 (pred)	0.0 (actual)
Steering angle: -3.130038774430009 (pred)	-6.96 (actual)
Steering angle: -6.272204549731375 (pred)	-6.96 (actual)
Steering angle: -6.90138108550544 (pred)	-6.96 (actual)
Steering angle: -8.499536068261703 (pred)	-6.96 (actual)
Steering angle: -7.6372281006421785 (pred)	-6.96 (actual)
Steering angle: -5.782985420240042 (pred)	-6.96 (actual)
Steering angle: -4.589291188243485 (pred)	-6.150000000000001 (actual)
Steering angle: -1.027041031342831 (pred)	-5.04 (actual)
Steering angle: -1.3360776360951123 (pred)	-3.829999999999999 (actual)
Steering angle: -0.5128473151513462 (pred)	-2.62 (actual)
Steering angle: -0.5123312089821871 (pred)	-2.22 (actual)
Steering angle: 0.15022147305796793 (pred)	-1.82 (actual)
Steering angle: 0.18106084437763334 (pred)	-1.11 (actual)
Steering angle: -0.324662370025978 (pred)	-0.61 (actual)
Steering angle: 0.1194514708470605 (pred)	-0.61 (actual)
Steering angle: 0.3586984833206209 (pred)	-0.61 (actual)
Steering angle: 0.37414474268519315 (pred)	-0.61 (actual)
Steering angle: 0.0003043703048886932 (pred)	-0.61 (actual)
Steering angle: -0.15378427048377585 (pred)	-0.61 (actual)
Steering angle: 0.7978758049710326 (pred)	-0.61 (actual)
Steering angle: -0.2454676072601495 (pred)	-0.5 (actual)
Steering angle: -0.8874994128258243 (pred)	-0.3 (actual)
Steering angle: -0.7979547790333109 (pred)	0.2 (actual)
Steering angle: -0.3028160099656922 (pred)	0.3 (actual)
Steering angle: 0.3760401201798717 (pred)	0.4 (actual)
Steering angle: -2.3571507896506447 (pred)	0.5 (actual)
Steering angle: -2.7123317255487094 (pred)	1.01 (actual)
Steering angle: -1.204505567679041 (pred)	1.6100000000000003 (actual)
Steering angle: -0.25087583642233025 (pred)	2.12 (actual)
Steering angle: 0.48397311732194037 (pred)	2.52 (actual)
Steering angle: 0.5434405862174795 (pred)	3.13 (actual)
Steering angle: 0.5468960216072712 (pred)	4.13 (actual)
Steering angle: 0.7484314252390757 (pred)	4.64 (actual)

Steering angle: 0.8207319658114225 (pred)	4.94 (actual)
Steering angle: 0.9948601681814929 (pred)	4.94 (actual)
Steering angle: 1.1393141868156198 (pred)	4.94 (actual)
Steering angle: 1.49098611302759 (pred)	4.94 (actual)
Steering angle: 2.535585212848997 (pred)	4.84 (actual)
Steering angle: 1.7676151777154534 (pred)	0.0 (actual)
Steering angle: -2.364382679321219 (pred)	4.64 (actual)
Steering angle: -1.8308108626807615 (pred)	4.64 (actual)
Steering angle: -2.458859990354951 (pred)	4.64 (actual)
Steering angle: -0.8683373171093536 (pred)	4.64 (actual)
Steering angle: -3.7126944648802938 (pred)	4.64 (actual)
Steering angle: 7.422113854053566 (pred)	4.64 (actual)
Steering angle: 7.311288912128232 (pred)	4.64 (actual)
Steering angle: 9.177952291536036 (pred)	4.64 (actual)
Steering angle: 11.173736982108347 (pred)	0.0 (actual)
Steering angle: 11.269177776701873 (pred)	4.74 (actual)
Steering angle: 11.088991409981414 (pred)	4.94 (actual)
Steering angle: 11.415237103234366 (pred)	5.04 (actual)
Steering angle: 9.782739929331278 (pred)	5.04 (actual)
Steering angle: 7.594731517400006 (pred)	5.04 (actual)
Steering angle: 1.727917264485693 (pred)	5.139999999999999 (actual)
Steering angle: 1.0687805308041907 (pred)	5.45 (actual)
Steering angle: 2.737284114134058 (pred)	5.75 (actual)
Steering angle: 1.806661448209712 (pred)	5.849999999999999 (actual)
Steering angle: 1.213650337204042 (pred)	5.849999999999999 (actual)
Steering angle: 0.7413901405350272 (pred)	5.949999999999999 (actual)
Steering angle: 0.8371064905728818 (pred)	6.25 (actual)
Steering angle: 0.9364964151671455 (pred)	6.25 (actual)
Steering angle: 1.6510074134406454 (pred)	5.949999999999999 (actual)
Steering angle: 3.303843823474973 (pred)	5.949999999999999 (actual)
Steering angle: 6.494394872300122 (pred)	6.45 (actual)
Steering angle: 6.520477657193108 (pred)	6.659999999999999 (actual)
Steering angle: 2.828280803455434 (pred)	6.659999999999999 (actual)
Steering angle: 2.638393647122852 (pred)	6.659999999999999 (actual)
Steering angle: 2.0493525835722517 (pred)	6.96 (actual)
Steering angle: 4.28667410753737 (pred)	7.559999999999999 (actual)
Steering angle: 4.395535796963149 (pred)	7.659999999999998 (actual)
Steering angle: 8.810588859479608 (pred)	7.659999999999998 (actual)
Steering angle: 10.529785893385899 (pred)	7.760000000000002 (actual)
Steering angle: 15.104570613605922 (pred)	7.760000000000002 (actual)
Steering angle: 17.62383466254635 (pred)	7.760000000000002 (actual)
Steering angle: 13.44625703218748 (pred)	7.760000000000002 (actual)
Steering angle: 11.239845529311255 (pred)	7.760000000000002 (actual)
Steering angle: 10.670618417656039 (pred)	7.760000000000002 (actual)
Steering angle: 9.684270799614497 (pred)	7.760000000000002 (actual)
Steering angle: 10.000532463848183 (pred)	7.760000000000002 (actual)
Steering angle: 10.26344522802219 (pred)	7.760000000000002 (actual)
Steering angle: 10.092903942183435 (pred)	7.760000000000002 (actual)

Steering angle: 9.366661880567026 (pred)	8.07 (actual)
Steering angle: 6.2452176185470085 (pred)	8.87 (actual)
Steering angle: 5.730685381104785 (pred)	10.49 (actual)
Steering angle: 3.528028561281363 (pred)	11.39 (actual)
Steering angle: 3.1019084268898998 (pred)	12.300000000000002 (actual)
Steering angle: 2.7958438082002206 (pred)	13.01 (actual)
Steering angle: -0.013416625964020672 (pred)	14.02 (actual)
Steering angle: 1.175764345095039 (pred)	15.030000000000001 (actual)
Steering angle: -1.931591157657946 (pred)	16.34 (actual)
Steering angle: 2.433589997973196 (pred)	17.239999999999995 (actual)
Steering angle: 8.506260389499582 (pred)	18.35 (actual)
Steering angle: 14.44911834009482 (pred)	19.26 (actual)
Steering angle: 7.342902442701636 (pred)	20.370000000000005 (actual)
Steering angle: 7.1583759176504556 (pred)	20.469999999999995 (actual)
Steering angle: 8.352622114309314 (pred)	20.370000000000005 (actual)
Steering angle: 8.62592615753185 (pred)	20.57 (actual)
Steering angle: 9.104519220221936 (pred)	21.68 (actual)
Steering angle: 5.387573389470133 (pred)	22.29 (actual)
Steering angle: -0.1298833041437856 (pred)	22.39 (actual)
Steering angle: -0.5036961423239985 (pred)	22.39 (actual)
Steering angle: 3.4766047073505715 (pred)	22.39 (actual)
Steering angle: 8.869036495754699 (pred)	22.39 (actual)
Steering angle: 9.257324212333462 (pred)	0.0 (actual)
Steering angle: 8.780635064874517 (pred)	22.49 (actual)
Steering angle: 5.4859148800268 (pred)	22.08 (actual)
Steering angle: -7.0879178206067195 (pred)	21.479999999999997 (actual)
Steering angle: -10.785100072108268 (pred)	20.97 (actual)
Steering angle: 5.393204026667163 (pred)	20.67 (actual)
Steering angle: 36.79585805897574 (pred)	20.370000000000005 (actual)
Steering angle: 41.73978120666275 (pred)	20.27 (actual)
Steering angle: 9.206261718098446 (pred)	19.66 (actual)
Steering angle: 10.221101470262697 (pred)	19.56 (actual)
Steering angle: 9.522024778522722 (pred)	19.56 (actual)
Steering angle: 7.365274727328012 (pred)	19.56 (actual)
Steering angle: 5.424733033649588 (pred)	19.56 (actual)
Steering angle: 4.41739923249636 (pred)	19.56 (actual)
Steering angle: 2.2661927335867618 (pred)	19.56 (actual)
Steering angle: 5.048204768387472 (pred)	19.56 (actual)
Steering angle: 5.051661270994321 (pred)	19.56 (actual)
Steering angle: 3.5157705061553055 (pred)	19.26 (actual)
Steering angle: 3.501261476810906 (pred)	18.96 (actual)
Steering angle: 3.6760987381941885 (pred)	18.760000000000005 (actual)
Steering angle: 3.841233502418056 (pred)	18.66 (actual)
Steering angle: 3.804451226190245 (pred)	18.25 (actual)
Steering angle: 6.125750779774316 (pred)	18.25 (actual)
Steering angle: 5.019785205024695 (pred)	18.05 (actual)
Steering angle: 3.624485559957341 (pred)	17.75 (actual)
Steering angle: 3.5449804504710998 (pred)	17.34 (actual)

Steering angle: 3.295634362979441 (pred)	17.239999999999995 (actual)
Steering angle: 3.864488162107834 (pred)	17.239999999999995 (actual)
Steering angle: 4.3919187849108035 (pred)	17.34 (actual)
Steering angle: 4.343080797911097 (pred)	17.239999999999995 (actual)
Steering angle: 4.138050471858361 (pred)	17.239999999999995 (actual)
Steering angle: 3.6733952639433327 (pred)	17.239999999999995 (actual)
Steering angle: 3.640680365366264 (pred)	17.239999999999995 (actual)
Steering angle: 3.6056248463379967 (pred)	17.239999999999995 (actual)
Steering angle: 3.6424442617194197 (pred)	17.34 (actual)
Steering angle: 3.5383756575436975 (pred)	17.55 (actual)
Steering angle: 3.322541466327883 (pred)	17.95 (actual)
Steering angle: 3.1595680300895013 (pred)	18.55 (actual)
Steering angle: 3.6585959515592075 (pred)	19.36 (actual)
Steering angle: 4.06556636995207 (pred)	19.87 (actual)
Steering angle: 3.659607246443193 (pred)	20.57 (actual)
Steering angle: 3.5719989712803777 (pred)	21.28 (actual)
Steering angle: 3.580197759605332 (pred)	21.98 (actual)
Steering angle: 4.076212500434004 (pred)	22.08 (actual)
Steering angle: 3.5870381940590996 (pred)	22.08 (actual)
Steering angle: 3.6656071407422255 (pred)	22.179999999999996 (actual)
Steering angle: 3.504693433425426 (pred)	22.49 (actual)
Steering angle: 3.4303577099238267 (pred)	23.09 (actual)
Steering angle: 3.7718251200723865 (pred)	23.09 (actual)
Steering angle: 4.256392890738941 (pred)	23.09 (actual)
Steering angle: 3.8588818574597226 (pred)	23.09 (actual)
Steering angle: 3.6463455803959666 (pred)	23.29 (actual)
Steering angle: 3.47788963668818 (pred)	23.39 (actual)
Steering angle: 3.7698178982300488 (pred)	23.29 (actual)
Steering angle: 4.112508552570276 (pred)	22.89 (actual)
Steering angle: 3.6236595339545925 (pred)	22.59 (actual)
Steering angle: 3.3036188541191858 (pred)	22.59 (actual)
Steering angle: 4.443424814555047 (pred)	22.39 (actual)
Steering angle: 4.238714226732832 (pred)	22.08 (actual)
Steering angle: 4.32556221646366 (pred)	22.08 (actual)
Steering angle: 4.373451660942382 (pred)	22.08 (actual)
Steering angle: 4.610719199217107 (pred)	21.98 (actual)
Steering angle: 5.197980571602097 (pred)	21.78 (actual)
Steering angle: 5.608804924234139 (pred)	21.68 (actual)
Steering angle: 5.220620941153396 (pred)	21.68 (actual)
Steering angle: 4.796496075773224 (pred)	21.68 (actual)
Steering angle: 5.563376909177561 (pred)	0.0 (actual)
Steering angle: 3.6086753795760536 (pred)	22.69 (actual)
Steering angle: 3.223856758765423 (pred)	23.189999999999998 (actual)
Steering angle: 3.4714946586343443 (pred)	23.39 (actual)
Steering angle: 4.564889056773145 (pred)	23.6 (actual)
Steering angle: 10.700247778275553 (pred)	24.1 (actual)
Steering angle: 12.018615160739646 (pred)	24.5 (actual)
Steering angle: 13.315273640700498 (pred)	24.810000000000002 (actual)

Steering angle: 14.22132811618031 (pred)	24.91 (actual)
Steering angle: 14.70939977389108 (pred)	0.0 (actual)
Steering angle: 13.566324927607134 (pred)	24.91 (actual)
Steering angle: 15.882126178909346 (pred)	24.91 (actual)
Steering angle: 14.423006526897861 (pred)	25.11 (actual)
Steering angle: 13.676122779836028 (pred)	25.51 (actual)
Steering angle: 13.525248169938678 (pred)	25.71 (actual)
Steering angle: 14.503394438334325 (pred)	25.71 (actual)
Steering angle: 13.040373894533118 (pred)	25.71 (actual)
Steering angle: 10.254044326403314 (pred)	25.71 (actual)
Steering angle: 8.925302740363618 (pred)	25.71 (actual)
Steering angle: 5.744017483477827 (pred)	25.71 (actual)
Steering angle: 5.8231136353875135 (pred)	0.0 (actual)
Steering angle: 6.425735249442215 (pred)	25.71 (actual)
Steering angle: 7.888090703572992 (pred)	25.71 (actual)
Steering angle: 8.402367235808164 (pred)	25.41 (actual)
Steering angle: 6.487698298705747 (pred)	0.0 (actual)
Steering angle: 5.7310943386813396 (pred)	24.810000000000002 (actual)
Steering angle: 4.557167101029623 (pred)	24.71 (actual)
Steering angle: 3.5836482857966576 (pred)	24.71 (actual)
Steering angle: 3.161232248369457 (pred)	24.71 (actual)
Steering angle: 3.0381917265569665 (pred)	24.61 (actual)
Steering angle: 3.112945799145229 (pred)	24.200000000000003 (actual)
Steering angle: 2.9160986800484037 (pred)	23.29 (actual)
Steering angle: 2.8593267879974924 (pred)	22.59 (actual)
Steering angle: 2.3905444382764833 (pred)	21.88 (actual)
Steering angle: 2.0649576448350264 (pred)	21.58 (actual)
Steering angle: 2.0747523495482363 (pred)	20.77 (actual)
Steering angle: 2.1606097484060007 (pred)	20.469999999999995 (actual)
Steering angle: 2.186199265574865 (pred)	20.57 (actual)
Steering angle: 2.2001213255374665 (pred)	20.27 (actual)
Steering angle: 2.129270919503278 (pred)	19.66 (actual)
Steering angle: 2.2194336854156775 (pred)	19.26 (actual)
Steering angle: 2.2161899858901566 (pred)	19.26 (actual)
Steering angle: 2.4752112497845498 (pred)	19.26 (actual)
Steering angle: 2.568995083174114 (pred)	19.26 (actual)
Steering angle: 2.5541848851759994 (pred)	19.36 (actual)
Steering angle: 2.42130889095869 (pred)	19.56 (actual)
Steering angle: 2.5258366119126845 (pred)	0.0 (actual)
Steering angle: 2.3163745603056687 (pred)	19.66 (actual)
Steering angle: 2.3448952958455265 (pred)	19.76 (actual)
Steering angle: 1.8814932141997833 (pred)	19.76 (actual)
Steering angle: 1.5614030154928944 (pred)	19.76 (actual)
Steering angle: 0.7697446036572774 (pred)	19.76 (actual)
Steering angle: 0.6402038761890502 (pred)	19.76 (actual)
Steering angle: 0.35546481563544297 (pred)	19.76 (actual)
Steering angle: -0.2871740229927167 (pred)	19.46 (actual)
Steering angle: -0.6121317987002978 (pred)	19.16 (actual)

Steering angle: -0.6187340303067613 (pred)	18.96 (actual)
Steering angle: -1.4145991983408714 (pred)	18.55 (actual)
Steering angle: -1.546875203128277 (pred)	17.95 (actual)
Steering angle: -2.270561066447808 (pred)	17.140000000000004 (actual)
Steering angle: -3.0976777650293115 (pred)	16.24 (actual)
Steering angle: -2.9280137316120793 (pred)	15.730000000000002 (actual)
Steering angle: -3.012766987701829 (pred)	15.53 (actual)
Steering angle: -3.3240673732771464 (pred)	15.53 (actual)
Steering angle: -3.2222407786964804 (pred)	15.53 (actual)
Steering angle: -3.102615991799231 (pred)	15.53 (actual)
Steering angle: -3.7602795390541264 (pred)	15.53 (actual)
Steering angle: -3.6609942017315285 (pred)	15.53 (actual)
Steering angle: -3.1378794047103606 (pred)	15.53 (actual)
Steering angle: -3.8543406354353107 (pred)	15.53 (actual)
Steering angle: -3.0424864214410237 (pred)	15.53 (actual)
Steering angle: -3.0389411263749637 (pred)	15.53 (actual)
Steering angle: -3.355681330737373 (pred)	15.33 (actual)
Steering angle: -2.564112351691201 (pred)	15.230000000000002 (actual)
Steering angle: -2.36703364649283 (pred)	15.230000000000002 (actual)
Steering angle: -2.571140616347144 (pred)	15.230000000000002 (actual)
Steering angle: -4.769713196490311 (pred)	15.230000000000002 (actual)
Steering angle: -6.483144696963464 (pred)	15.230000000000002 (actual)
Steering angle: -7.060302512018712 (pred)	15.230000000000002 (actual)
Steering angle: -5.493846437200477 (pred)	0.0 (actual)
Steering angle: -4.927532401226271 (pred)	15.230000000000002 (actual)
Steering angle: -4.826762351532842 (pred)	15.230000000000002 (actual)
Steering angle: -4.366767040179055 (pred)	15.33 (actual)
Steering angle: -4.529370792428609 (pred)	15.43 (actual)
Steering angle: -4.460977546948333 (pred)	15.43 (actual)
Steering angle: -4.101323690917557 (pred)	15.53 (actual)
Steering angle: -4.159770473419002 (pred)	15.730000000000002 (actual)
Steering angle: -3.5065871033728118 (pred)	15.83 (actual)
Steering angle: -3.079281931160352 (pred)	15.929999999999998 (actual)
Steering angle: -2.27709200795481 (pred)	16.24 (actual)
Steering angle: -1.1394655181944178 (pred)	16.54 (actual)
Steering angle: -0.01749339512487203 (pred)	16.74 (actual)
Steering angle: 0.617258496002627 (pred)	17.140000000000004 (actual)
Steering angle: 0.8427753341405808 (pred)	17.75 (actual)
Steering angle: 0.673851309031237 (pred)	18.66 (actual)
Steering angle: 0.7432714307645426 (pred)	19.56 (actual)
Steering angle: 0.8585891430598644 (pred)	20.07 (actual)
Steering angle: 1.6265365531917821 (pred)	20.97 (actual)
Steering angle: 2.1824473572864123 (pred)	21.78 (actual)
Steering angle: 2.6142442326518025 (pred)	22.69 (actual)
Steering angle: 3.6266191402993235 (pred)	23.799999999999997 (actual)
Steering angle: 6.424557041810387 (pred)	24.5 (actual)
Steering angle: 5.862285624051183 (pred)	25.71 (actual)
Steering angle: 6.152196418466959 (pred)	26.62 (actual)

Steering angle: 3.3821034906547447 (pred)	27.93 (actual)
Steering angle: 3.046149964157089 (pred)	29.04 (actual)
Steering angle: 2.3789792204643594 (pred)	29.75 (actual)
Steering angle: 2.289479409788274 (pred)	30.25 (actual)
Steering angle: 2.796767377842053 (pred)	30.35 (actual)
Steering angle: 2.6351757742501296 (pred)	30.35 (actual)
Steering angle: 3.1756119310064497 (pred)	30.449999999999992 (actual)
Steering angle: 3.3069014003456116 (pred)	30.449999999999992 (actual)
Steering angle: 2.3452897392700947 (pred)	30.66 (actual)
Steering angle: 2.102302344452306 (pred)	30.96 (actual)
Steering angle: 1.8408883799142923 (pred)	31.26 (actual)
Steering angle: 1.5122858445108631 (pred)	31.969999999999995 (actual)
Steering angle: 1.8598323364641458 (pred)	32.27 (actual)
Steering angle: 2.4178212256137526 (pred)	32.67 (actual)
Steering angle: 3.700163202187436 (pred)	33.28 (actual)
Steering angle: 7.664213324279253 (pred)	33.68 (actual)
Steering angle: 6.753222756463639 (pred)	34.39 (actual)
Steering angle: 4.288070454335814 (pred)	34.990000000000001 (actual)
Steering angle: 4.400566658173686 (pred)	36.0 (actual)
Steering angle: 4.6794505390613 (pred)	36.61 (actual)
Steering angle: 6.069407268650411 (pred)	37.109999999999999 (actual)
Steering angle: 4.80292797953726 (pred)	37.51 (actual)
Steering angle: 6.939781689679721 (pred)	37.71 (actual)
Steering angle: 6.371238877601975 (pred)	38.02 (actual)
Steering angle: 6.854788096308552 (pred)	38.32 (actual)
Steering angle: 9.051534027735563 (pred)	38.72 (actual)
Steering angle: 8.879593406890601 (pred)	39.13 (actual)
Steering angle: 9.71067289585118 (pred)	39.43 (actual)
Steering angle: 9.097337276309668 (pred)	39.830000000000005 (actual)
Steering angle: 4.571176245904142 (pred)	39.930000000000001 (actual)
Steering angle: 1.5564485670236963 (pred)	39.930000000000001 (actual)
Steering angle: 1.571101670670901 (pred)	40.13 (actual)
Steering angle: 1.7358789171804005 (pred)	40.640000000000001 (actual)
Steering angle: 2.102999237191059 (pred)	41.24 (actual)
Steering angle: 2.5809850533752483 (pred)	41.75 (actual)
Steering angle: 3.661636666400333 (pred)	42.959999999999994 (actual)
Steering angle: 6.499109410374723 (pred)	43.97 (actual)
Steering angle: 4.71464991894896 (pred)	44.57 (actual)
Steering angle: 4.357620563106761 (pred)	45.18 (actual)
Steering angle: 7.648659275991841 (pred)	45.88 (actual)
Steering angle: 8.015863052376421 (pred)	46.39 (actual)
Steering angle: 7.773998369903453 (pred)	46.69 (actual)
Steering angle: 6.74707729375792 (pred)	46.69 (actual)
Steering angle: 6.462669497379059 (pred)	46.69 (actual)
Steering angle: 7.806361513738266 (pred)	46.69 (actual)
Steering angle: 8.86754922206293 (pred)	46.59 (actual)
Steering angle: 10.11151791521901 (pred)	46.49 (actual)
Steering angle: 13.332371311740333 (pred)	46.49 (actual)

Steering angle: 12.882938887937971 (pred)	46.39 (actual)
Steering angle: 11.686385368000117 (pred)	46.39 (actual)
Steering angle: 10.636947292595167 (pred)	0.0 (actual)
Steering angle: 10.464325360380498 (pred)	46.39 (actual)
Steering angle: 9.62734117288244 (pred)	46.29 (actual)
Steering angle: 8.96279791758605 (pred)	46.18 (actual)
Steering angle: 6.243069950939863 (pred)	46.18 (actual)
Steering angle: 5.843453938735811 (pred)	46.18 (actual)
Steering angle: 6.048651604423212 (pred)	46.08 (actual)
Steering angle: 7.14368588829305 (pred)	45.88 (actual)
Steering angle: 8.634932615726159 (pred)	45.68 (actual)
Steering angle: 8.721632475729361 (pred)	45.38 (actual)
Steering angle: 9.746764469199174 (pred)	45.279999999999994 (actual)
Steering angle: 9.554423780850676 (pred)	0.0 (actual)
Steering angle: 9.623887658483353 (pred)	45.279999999999994 (actual)
Steering angle: 9.303696927929618 (pred)	45.279999999999994 (actual)
Steering angle: 9.037405781437391 (pred)	45.279999999999994 (actual)
Steering angle: 8.102104435931587 (pred)	45.279999999999994 (actual)
Steering angle: 7.820756991187714 (pred)	45.279999999999994 (actual)
Steering angle: 6.4553629025144375 (pred)	45.279999999999994 (actual)
Steering angle: 6.072571780670243 (pred)	45.279999999999994 (actual)
Steering angle: 5.662669076689329 (pred)	45.579999999999999 (actual)
Steering angle: 5.1177288370622085 (pred)	46.59 (actual)
Steering angle: 5.569804970960189 (pred)	46.69 (actual)
Steering angle: 6.3360104694103425 (pred)	45.579999999999999 (actual)
Steering angle: 6.464160186165414 (pred)	0.0 (actual)
Steering angle: 7.091591181719717 (pred)	42.45 (actual)
Steering angle: 6.991363278291658 (pred)	41.85 (actual)
Steering angle: 7.239531798481724 (pred)	41.75 (actual)
Steering angle: 7.413029702457449 (pred)	41.75 (actual)
Steering angle: 7.628021859414648 (pred)	41.75 (actual)
Steering angle: 6.719542666779483 (pred)	41.549999999999999 (actual)
Steering angle: 5.614977707696538 (pred)	40.13 (actual)
Steering angle: 4.860231986013197 (pred)	38.52 (actual)
Steering angle: 4.643011906726104 (pred)	36.909999999999999 (actual)
Steering angle: 4.41763828911731 (pred)	36.400000000000006 (actual)
Steering angle: 4.473109243574745 (pred)	35.9 (actual)
Steering angle: 5.441653546657825 (pred)	35.5 (actual)
Steering angle: 5.676626141371427 (pred)	35.19 (actual)
Steering angle: 5.73489918093586 (pred)	34.990000000000001 (actual)
Steering angle: 5.540333558465231 (pred)	34.69 (actual)
Steering angle: 5.379604266256021 (pred)	32.97 (actual)
Steering angle: 5.236109248870046 (pred)	30.25 (actual)
Steering angle: 4.930137691507809 (pred)	27.33 (actual)
Steering angle: 5.3166704763567 (pred)	26.920000000000005 (actual)
Steering angle: 5.216790912576312 (pred)	26.920000000000005 (actual)
Steering angle: 4.6941755731382 (pred)	26.920000000000005 (actual)
Steering angle: 4.400267410510675 (pred)	26.82 (actual)



Steering angle: 4.198823787545843 (pred)	26.32 (actual)
Steering angle: 4.5697077552325895 (pred)	25.71 (actual)
Steering angle: 4.517660859983446 (pred)	0.0 (actual)
Steering angle: 4.933196335595505 (pred)	23.6 (actual)
Steering angle: 5.275144633750315 (pred)	22.69 (actual)
Steering angle: 5.6616940671853095 (pred)	22.179999999999996 (actual)
Steering angle: 5.978229792759442 (pred)	21.68 (actual)
Steering angle: 5.34864259186153 (pred)	21.479999999999997 (actual)
Steering angle: 5.304029076863476 (pred)	21.18 (actual)
Steering angle: 5.455252026408497 (pred)	20.869999999999997 (actual)
Steering angle: 5.186711186358399 (pred)	20.869999999999997 (actual)
Steering angle: 4.600461962631041 (pred)	20.869999999999997 (actual)
Steering angle: 4.3842847678528445 (pred)	20.869999999999997 (actual)
Steering angle: 4.548211015480443 (pred)	20.77 (actual)
Steering angle: 4.624470077563636 (pred)	20.77 (actual)
Steering angle: 5.064506722389 (pred)	20.77 (actual)
Steering angle: 5.020370466859201 (pred)	20.77 (actual)
Steering angle: 4.9817512966314785 (pred)	20.77 (actual)
Steering angle: 5.127543818899516 (pred)	20.77 (actual)
Steering angle: 4.923483806595747 (pred)	20.97 (actual)
Steering angle: 4.65604945719119 (pred)	20.97 (actual)
Steering angle: 4.807789793565839 (pred)	20.97 (actual)
Steering angle: 4.837212540962962 (pred)	20.97 (actual)
Steering angle: 5.430299210936325 (pred)	20.97 (actual)
Steering angle: 5.880505153662192 (pred)	21.18 (actual)
Steering angle: 5.527643066987347 (pred)	22.08 (actual)
Steering angle: 5.519499347062576 (pred)	22.59 (actual)
Steering angle: 5.093192663129407 (pred)	22.99 (actual)
Steering angle: 4.7503735158554194 (pred)	23.6 (actual)
Steering angle: 4.734031434492517 (pred)	23.799999999999997 (actual)
Steering angle: 4.659672872545881 (pred)	23.799999999999997 (actual)
Steering angle: 3.909154184185132 (pred)	23.799999999999997 (actual)
Steering angle: 3.3459118123467277 (pred)	23.799999999999997 (actual)
Steering angle: 2.892760990871528 (pred)	23.799999999999997 (actual)
Steering angle: 2.8425281511772575 (pred)	23.799999999999997 (actual)
Steering angle: 2.73908707063153 (pred)	23.799999999999997 (actual)
Steering angle: 2.5593071001666856 (pred)	23.7 (actual)
Steering angle: 2.298006900967035 (pred)	23.7 (actual)
Steering angle: 2.1973862616616997 (pred)	23.189999999999998 (actual)
Steering angle: 2.114075456147292 (pred)	22.179999999999996 (actual)
Steering angle: 1.9272742646590864 (pred)	21.98 (actual)
Steering angle: 1.536767163486893 (pred)	22.08 (actual)
Steering angle: 1.2488958208686003 (pred)	22.08 (actual)
Steering angle: 1.0456714395210986 (pred)	22.08 (actual)
Steering angle: 0.9816680846864364 (pred)	21.78 (actual)
Steering angle: 0.9432557411245194 (pred)	21.28 (actual)
Steering angle: 0.9316772898208784 (pred)	21.079999999999995 (actual)
Steering angle: 0.8397864860484656 (pred)	20.370000000000005 (actual)

Steering angle: 0.8290603142871953 (pred)	18.760000000000005 (actual)
Steering angle: 0.757727312699463 (pred)	16.34 (actual)
Steering angle: 0.798983149390221 (pred)	13.71 (actual)
Steering angle: 0.7471127718424401 (pred)	11.899999999999999 (actual)
Steering angle: 0.8099573423957274 (pred)	9.979999999999999 (actual)
Steering angle: 0.7418283398589658 (pred)	9.18 (actual)
Steering angle: 0.7743014070507336 (pred)	8.469999999999999 (actual)
Steering angle: 0.7474068968635738 (pred)	7.969999999999999 (actual)
Steering angle: 0.6045009832935125 (pred)	7.969999999999999 (actual)
Steering angle: 0.5319590382226881 (pred)	7.969999999999999 (actual)
Steering angle: 0.5119196900846938 (pred)	7.760000000000002 (actual)
Steering angle: 0.48734936520604233 (pred)	7.559999999999999 (actual)
Steering angle: 0.47232401624907205 (pred)	7.559999999999999 (actual)
Steering angle: 0.4505308035982655 (pred)	7.460000000000001 (actual)
Steering angle: 0.5158581479148524 (pred)	7.06 (actual)
Steering angle: 0.6005356315934971 (pred)	6.35 (actual)
Steering angle: 1.2610845068858996 (pred)	5.45 (actual)
Steering angle: 1.5822404285467222 (pred)	4.64 (actual)
Steering angle: 1.6070402050928039 (pred)	3.829999999999999 (actual)
Steering angle: 2.45194399693349 (pred)	3.53 (actual)
Steering angle: 3.2618168157382383 (pred)	3.4300000000000006 (actual)
Steering angle: 3.3997014730512825 (pred)	3.4300000000000006 (actual)
Steering angle: 3.310862056290573 (pred)	0.0 (actual)
Steering angle: 3.7137830262792644 (pred)	3.13 (actual)
Steering angle: 2.6972039237541887 (pred)	2.92 (actual)
Steering angle: 1.5455332843997813 (pred)	2.62 (actual)
Steering angle: 1.4236564560671314 (pred)	1.92 (actual)
Steering angle: 1.21784684811878 (pred)	1.21 (actual)
Steering angle: 1.153236460221633 (pred)	1.01 (actual)
Steering angle: 1.0418260430183814 (pred)	1.01 (actual)
Steering angle: 0.7501936140449389 (pred)	1.01 (actual)
Steering angle: 0.5998246515895811 (pred)	1.01 (actual)
Steering angle: 0.5057627014347504 (pred)	1.21 (actual)
Steering angle: 0.405230000814979 (pred)	1.41 (actual)
Steering angle: 0.4224901022910128 (pred)	1.6100000000000003 (actual)
Steering angle: 0.3911877722116675 (pred)	1.71 (actual)
Steering angle: 0.3421216142049999 (pred)	1.92 (actual)
Steering angle: 0.35080790728196365 (pred)	1.92 (actual)
Steering angle: 0.3360485088158008 (pred)	1.92 (actual)
Steering angle: 0.29599969461743103 (pred)	1.92 (actual)
Steering angle: 0.344064589580457 (pred)	2.02 (actual)
Steering angle: 0.3302513857577525 (pred)	2.12 (actual)
Steering angle: 0.34594203782856425 (pred)	2.52 (actual)
Steering angle: 0.3385750384784708 (pred)	3.03 (actual)
Steering angle: 0.3400945421253871 (pred)	0.0 (actual)
Steering angle: 0.3546093344418989 (pred)	3.4300000000000006 (actual)
Steering angle: 0.3127466781320676 (pred)	3.63 (actual)
Steering angle: 0.4006394733624957 (pred)	3.9300000000000006 (actual)

Steering angle: 0.4766044104245544 (pred)	4.64 (actual)
Steering angle: 0.5036730904355496 (pred)	5.139999999999999 (actual)
Steering angle: 0.6101025921865693 (pred)	5.340000000000001 (actual)
Steering angle: 0.6295314921674937 (pred)	5.340000000000001 (actual)
Steering angle: 0.6335777389204915 (pred)	5.65 (actual)
Steering angle: 0.6269172372626713 (pred)	6.150000000000001 (actual)
Steering angle: 0.6421972242096361 (pred)	6.96 (actual)
Steering angle: 0.6403206297351751 (pred)	7.559999999999999 (actual)
Steering angle: 0.640198113216938 (pred)	7.969999999999999 (actual)
Steering angle: 0.6626737044545111 (pred)	8.07 (actual)
Steering angle: 0.6466225464615697 (pred)	8.37 (actual)
Steering angle: 0.6550076708848181 (pred)	8.67 (actual)
Steering angle: 0.6192089418974888 (pred)	8.77 (actual)
Steering angle: 0.5770126735353847 (pred)	8.67 (actual)
Steering angle: 0.5827094781899984 (pred)	8.67 (actual)
Steering angle: 0.5751994717541579 (pred)	8.67 (actual)
Steering angle: 0.4950124105679735 (pred)	8.67 (actual)
Steering angle: 0.30619588638779066 (pred)	8.27 (actual)
Steering angle: 0.27733983124836775 (pred)	8.37 (actual)
Steering angle: 0.251570808170379 (pred)	8.17 (actual)
Steering angle: 0.1906621693599672 (pred)	7.969999999999999 (actual)
Steering angle: 0.16217942674736777 (pred)	7.969999999999999 (actual)
Steering angle: 0.1535142645681488 (pred)	7.969999999999999 (actual)
Steering angle: 0.13168754130172677 (pred)	7.969999999999999 (actual)
Steering angle: 0.06740756380567897 (pred)	7.969999999999999 (actual)
Steering angle: -0.010093312045986343 (pred)	7.969999999999999 (actual)
Steering angle: -0.08107135724028948 (pred)	7.659999999999998 (actual)
Steering angle: -0.0708286348062091 (pred)	7.16 (actual)
Steering angle: -0.1079938285143641 (pred)	6.96 (actual)
Steering angle: -0.146105430309389 (pred)	6.860000000000001 (actual)
Steering angle: -0.20664865399920515 (pred)	6.55 (actual)
Steering angle: -0.24757472061909844 (pred)	6.55 (actual)
Steering angle: -0.2888781551906349 (pred)	6.25 (actual)
Steering angle: -0.3448178313798625 (pred)	5.849999999999999 (actual)
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Steering angle: -0.4431631639179373 (pred)	4.24 (actual)
Steering angle: -0.5107632536808461 (pred)	3.4300000000000006 (actual)
Steering angle: -0.5573515471226799 (pred)	2.42 (actual)
Steering angle: -0.5745999092110777 (pred)	1.41 (actual)
Steering angle: -0.5759561286481484 (pred)	1.01 (actual)
Steering angle: -0.6688928051372194 (pred)	1.01 (actual)
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Steering angle: -0.8190570753608885 (pred)	0.61 (actual)
Steering angle: -0.8938433779042968 (pred)	-0.1 (actual)
Steering angle: -0.9355523549578028 (pred)	-1.51 (actual)
Steering angle: -0.7630678803001782 (pred)	-3.03 (actual)
Steering angle: -0.7520456625270702 (pred)	-4.74 (actual)
Steering angle: -0.8618149133388145 (pred)	-6.55 (actual)

Steering angle: -0.8027171284321023 (pred)	-8.469999999999999 (actual)
Steering angle: -0.860235432093249 (pred)	-9.78 (actual)
Steering angle: -0.9420593908027093 (pred)	-11.699999999999998 (actual)
Steering angle: -1.123720224610246 (pred)	-13.41 (actual)
Steering angle: -1.1331552771749722 (pred)	-14.72 (actual)
Steering angle: -1.152571797438026 (pred)	-15.13 (actual)
Steering angle: -1.1368474213081874 (pred)	-15.63 (actual)
Steering angle: -1.3893108498257225 (pred)	-16.44 (actual)
Steering angle: -1.4236124867243496 (pred)	-16.64 (actual)
Steering angle: -1.830795494755129 (pred)	-16.84 (actual)
Steering angle: -1.7545885128643581 (pred)	-16.84 (actual)
Steering angle: -1.8186830080357577 (pred)	-16.84 (actual)
Steering angle: -1.8017560917251736 (pred)	-17.239999999999995 (actual)
Steering angle: -1.626413609786722 (pred)	-17.239999999999995 (actual)
Steering angle: -1.608930459945605 (pred)	-17.45 (actual)
Steering angle: -1.9141118497982372 (pred)	-17.45 (actual)
Steering angle: -1.8781654179701062 (pred)	-17.75 (actual)
Steering angle: -1.7682002261065473 (pred)	-18.45 (actual)
Steering angle: -1.744381222036597 (pred)	-19.66 (actual)
Steering angle: -1.703513212024649 (pred)	-20.469999999999995 (actual)
Steering angle: -1.4908480151403087 (pred)	-20.869999999999997 (actual)
Steering angle: -1.3308192442078488 (pred)	-20.869999999999997 (actual)
Steering angle: -1.3232974983843724 (pred)	-20.869999999999997 (actual)
Steering angle: -1.3777370942771359 (pred)	-20.97 (actual)
Steering angle: -1.3173082762559174 (pred)	-21.079999999999995 (actual)
Steering angle: -1.2964518667384604 (pred)	-21.18 (actual)
Steering angle: -1.3353579049113222 (pred)	-21.479999999999997 (actual)
Steering angle: -1.2307847205106652 (pred)	-22.08 (actual)
Steering angle: -1.3823504601746563 (pred)	-22.59 (actual)
Steering angle: -1.9305858391894848 (pred)	-23.29 (actual)
Steering angle: -2.0208975886031553 (pred)	-24.1 (actual)
Steering angle: -2.188206914304026 (pred)	-24.71 (actual)
Steering angle: -2.3187249991537993 (pred)	-25.51 (actual)
Steering angle: -1.9925429120374936 (pred)	-25.71 (actual)
Steering angle: -2.20512017023627 (pred)	-26.02 (actual)
Steering angle: -2.3581091505685623 (pred)	-26.12 (actual)
Steering angle: -2.8777939119659144 (pred)	-26.22 (actual)
Steering angle: -2.597172174821355 (pred)	-26.62 (actual)
Steering angle: -2.6773863433208085 (pred)	-26.920000000000005 (actual)
Steering angle: -2.2955830375853266 (pred)	-27.130000000000003 (actual)
Steering angle: -2.5439154823154735 (pred)	-27.33 (actual)
Steering angle: -3.2014770036196416 (pred)	-27.43 (actual)
Steering angle: -3.2426792660140973 (pred)	-27.530000000000005 (actual)
Steering angle: -3.923366527187459 (pred)	-27.63 (actual)
Steering angle: -4.274002825966527 (pred)	-27.93 (actual)
Steering angle: -4.102005002287266 (pred)	-28.03 (actual)
Steering angle: -4.261384905248574 (pred)	-28.13 (actual)
Steering angle: -4.587034664496442 (pred)	-28.13 (actual)

Steering angle: -4.272830594750223 (pred)	-28.24 (actual)
Steering angle: -3.9180859371853933 (pred)	-28.740000000000002 (actual)
Steering angle: -3.7579965483240496 (pred)	-28.939999999999998 (actual)
Steering angle: -3.5948335743362 (pred)	-28.939999999999998 (actual)
Steering angle: -3.3258662743497984 (pred)	-29.04 (actual)
Steering angle: -2.919943436220886 (pred)	-29.04 (actual)
Steering angle: -2.9832264195415235 (pred)	-29.04 (actual)
Steering angle: -2.8623307905718285 (pred)	-29.04 (actual)
Steering angle: -3.143737572584116 (pred)	-29.04 (actual)
Steering angle: -5.0577388586951635 (pred)	-29.04 (actual)
Steering angle: -6.0077345024266045 (pred)	-28.840000000000003 (actual)
Steering angle: -6.080727880312884 (pred)	-28.34 (actual)
Steering angle: -6.10750307563298 (pred)	-27.830000000000002 (actual)
Steering angle: -7.163299203381565 (pred)	-27.830000000000002 (actual)
Steering angle: -6.6245279052354356 (pred)	-28.13 (actual)
Steering angle: -7.850195106510469 (pred)	-28.24 (actual)
Steering angle: -7.822231458274791 (pred)	-28.24 (actual)
Steering angle: -8.031762025216917 (pred)	-28.24 (actual)
Steering angle: -8.573267960351991 (pred)	-28.34 (actual)
Steering angle: -10.195151020284879 (pred)	-28.34 (actual)
Steering angle: -11.801935947057453 (pred)	-28.03 (actual)
Steering angle: -14.302961683366656 (pred)	-27.93 (actual)
Steering angle: -14.960101867376398 (pred)	-27.93 (actual)
Steering angle: -15.128353332295907 (pred)	-27.830000000000002 (actual)
Steering angle: -15.43701982617254 (pred)	-27.43 (actual)
Steering angle: -14.64447882583011 (pred)	-27.130000000000003 (actual)
Steering angle: -14.654529449193783 (pred)	-26.920000000000005 (actual)
Steering angle: -13.650125372307667 (pred)	-26.920000000000005 (actual)
Steering angle: -12.937584670166304 (pred)	-26.62 (actual)
Steering angle: -12.437269898368285 (pred)	-26.32 (actual)
Steering angle: -11.747912565817238 (pred)	-26.12 (actual)
Steering angle: -12.368184242460899 (pred)	-26.12 (actual)
Steering angle: -14.605901917397878 (pred)	-26.12 (actual)
Steering angle: -13.987212283320721 (pred)	-26.12 (actual)
Steering angle: -12.494722034571847 (pred)	-26.12 (actual)
Steering angle: -10.87061574806412 (pred)	-25.92 (actual)
Steering angle: -11.973981582060905 (pred)	-25.71 (actual)
Steering angle: -13.184309886007382 (pred)	-25.71 (actual)
Steering angle: -14.992067152692059 (pred)	-25.71 (actual)
Steering angle: -16.039469831724343 (pred)	-25.820000000000004 (actual)
Steering angle: -15.631673387328732 (pred)	-26.02 (actual)
Steering angle: -14.019107559197389 (pred)	-26.520000000000003 (actual)
Steering angle: -13.61441714332684 (pred)	-27.03 (actual)
Steering angle: -14.74607788973405 (pred)	-27.130000000000003 (actual)
Steering angle: -15.086299857576138 (pred)	-27.130000000000003 (actual)
Steering angle: -16.14816887727051 (pred)	-27.130000000000003 (actual)
Steering angle: -15.758178736041124 (pred)	-27.130000000000003 (actual)
Steering angle: -16.25590828123829 (pred)	-27.23 (actual)

Steering angle: -16.28776428352723 (pred)	-27.43 (actual)
Steering angle: -17.006324089874667 (pred)	-27.93 (actual)
Steering angle: -16.905974950588842 (pred)	-28.03 (actual)
Steering angle: -18.179149532635897 (pred)	-28.13 (actual)
Steering angle: -17.81583128011541 (pred)	-28.13 (actual)
Steering angle: -16.386269271737156 (pred)	-28.24 (actual)
Steering angle: -13.238263257808605 (pred)	-28.34 (actual)
Steering angle: -11.263677766872721 (pred)	-28.939999999999998 (actual)
Steering angle: -10.690372178509362 (pred)	-29.24 (actual)
Steering angle: -11.601512583599892 (pred)	-29.24 (actual)
Steering angle: -11.539052211187418 (pred)	-29.24 (actual)
Steering angle: -11.609891518164206 (pred)	-29.24 (actual)
Steering angle: -10.276689818596491 (pred)	-29.24 (actual)
Steering angle: -7.7948330081929305 (pred)	-28.64 (actual)
Steering angle: -6.960631269008008 (pred)	-27.93 (actual)
Steering angle: -7.278438263541409 (pred)	-27.130000000000003 (actual)
Steering angle: -7.066451389819016 (pred)	-27.03 (actual)
Steering angle: -8.44903364953863 (pred)	-27.03 (actual)
Steering angle: -6.903221821486759 (pred)	-27.03 (actual)
Steering angle: -5.92228542081516 (pred)	-27.03 (actual)
Steering angle: -6.3768046280018895 (pred)	-27.23 (actual)
Steering angle: -11.176966807812118 (pred)	-27.33 (actual)
Steering angle: -11.834872826782547 (pred)	-27.33 (actual)
Steering angle: -11.848784214574572 (pred)	-27.33 (actual)
Steering angle: -12.610176137207157 (pred)	-27.33 (actual)
Steering angle: -12.402131990183154 (pred)	-27.43 (actual)
Steering angle: -12.390308932729862 (pred)	-27.43 (actual)
Steering angle: -12.370844601142618 (pred)	-27.43 (actual)
Steering angle: -10.57838695819877 (pred)	-27.43 (actual)
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Steering angle: -9.76246536655374 (pred)	-27.43 (actual)
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Steering angle: -9.776132575082936 (pred)	-27.33 (actual)
Steering angle: -10.84817345399875 (pred)	-27.130000000000003 (actual)
Steering angle: -11.035096948561781 (pred)	-27.130000000000003 (actual)
Steering angle: -12.305920237987062 (pred)	-27.130000000000003 (actual)
Steering angle: -11.670856079148447 (pred)	-27.130000000000003 (actual)
Steering angle: -10.516997217938696 (pred)	-27.130000000000003 (actual)
Steering angle: -10.50001822143569 (pred)	-27.130000000000003 (actual)
Steering angle: -10.520703449337075 (pred)	-27.530000000000005 (actual)
Steering angle: -10.047263764375764 (pred)	-28.34 (actual)
Steering angle: -10.11531037775566 (pred)	-29.14 (actual)
Steering angle: -11.864958102529162 (pred)	-29.75 (actual)
Steering angle: -11.86452780061145 (pred)	-30.35 (actual)
Steering angle: -11.305598052903674 (pred)	-30.76 (actual)
Steering angle: -10.990010869850527 (pred)	-30.76 (actual)
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Steering angle: -9.709235994804539 (pred)	-30.76 (actual)
Steering angle: -8.83491201688767 (pred)	-30.76 (actual)
Steering angle: -7.895311921072988 (pred)	-30.76 (actual)
Steering angle: -8.00470935346179 (pred)	-30.86 (actual)
Steering angle: -6.714402949429049 (pred)	-30.86 (actual)
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Steering angle: -4.815272265801588 (pred)	-30.96 (actual)
Steering angle: -4.826799063799631 (pred)	-31.460000000000004 (actual)
Steering angle: -4.551012246813795 (pred)	-32.37 (actual)
Steering angle: -4.99446057112958 (pred)	-33.28 (actual)
Steering angle: -4.340685109059715 (pred)	-34.18 (actual)
Steering angle: -4.833367998233891 (pred)	-34.69 (actual)
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Steering angle: -5.501955579292575 (pred)	-35.599999999999994 (actual)
Steering angle: -6.298863631835582 (pred)	-36.2 (actual)
Steering angle: -8.174271360928294 (pred)	-37.109999999999999 (actual)
Steering angle: -7.6306292841303005 (pred)	-37.21 (actual)
Steering angle: -6.1431506866849235 (pred)	-37.21 (actual)
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Steering angle: -3.6418688182818464 (pred)	-37.41 (actual)
Steering angle: -3.8961917658009173 (pred)	-38.02 (actual)
Steering angle: -3.6415435305226245 (pred)	-38.52 (actual)
Steering angle: -3.3727508272468816 (pred)	-38.62 (actual)
Steering angle: -3.012899322616998 (pred)	-38.62 (actual)
Steering angle: -3.9517502320570936 (pred)	-38.72 (actual)
Steering angle: -3.823407562457969 (pred)	-38.819999999999999 (actual)
Steering angle: -3.405227522976646 (pred)	-38.819999999999999 (actual)
Steering angle: -2.8707122864570804 (pred)	-38.819999999999999 (actual)
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Steering angle: -1.0599271115359732 (pred)	-38.42 (actual)
Steering angle: -0.78741152827575 (pred)	-38.32 (actual)
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Steering angle: -2.772769508193213 (pred)	-35.39 (actual)
Steering angle: -3.6103585943196386 (pred)	-33.58 (actual)
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Steering angle: -8.305199257128269 (pred)	-30.449999999999992 (actual)
Steering angle: -9.488892384632635 (pred)	-29.34 (actual)
Steering angle: -9.14029233599988 (pred)	-28.03 (actual)
Steering angle: -8.782956475418676 (pred)	-27.130000000000003 (actual)
Steering angle: -8.966564766913312 (pred)	-26.02 (actual)
Steering angle: -8.014715580595858 (pred)	-25.71 (actual)
Steering angle: -7.213337169241079 (pred)	-24.200000000000003 (actual)
Steering angle: -5.530609076634425 (pred)	-22.49 (actual)
Steering angle: -3.1589624911308976 (pred)	-21.18 (actual)
Steering angle: -2.408355437197761 (pred)	-20.57 (actual)
Steering angle: -1.4325976005775014 (pred)	-20.370000000000005 (actual)
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Steering angle: -1.437771041986963 (pred)	-16.34 (actual)
Steering angle: -1.228568324124996 (pred)	-15.13 (actual)
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Steering angle: -0.4556316742477956 (pred)	-13.82 (actual)
Steering angle: -0.5376724914634038 (pred)	-13.51 (actual)
Steering angle: -0.7113360275265017 (pred)	-13.31 (actual)
Steering angle: -0.6198264336871403 (pred)	-13.01 (actual)
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Steering angle: 0.1294293100073913 (pred)	-11.8 (actual)
Steering angle: 0.7938144037358138 (pred)	-11.8 (actual)
Steering angle: 1.0402128377137891 (pred)	-11.8 (actual)
Steering angle: 1.199413021322562 (pred)	-11.8 (actual)
Steering angle: 1.786344196749863 (pred)	-11.5 (actual)
Steering angle: 1.8970479028174296 (pred)	-11.290000000000001 (actual)
Steering angle: 1.9407630344962152 (pred)	-11.290000000000001 (actual)
Steering angle: 2.1116582095113423 (pred)	-11.39 (actual)
Steering angle: 1.8769082362760008 (pred)	-11.290000000000001 (actual)
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Steering angle: -0.013195071702818383 (pred)	-9.979999999999999 (actual)
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Steering angle: -2.171481061687134 (pred)	-9.48 (actual)
Steering angle: -4.890766346697739 (pred)	-8.97 (actual)
Steering angle: -5.662567477625425 (pred)	-8.77 (actual)
Steering angle: -4.476094463128864 (pred)	-8.77 (actual)
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Steering angle: -8.11090257335621 (pred)	-7.460000000000001 (actual)
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Steering angle: -4.489111949913262 (pred)	-6.25 (actual)
Steering angle: -5.848515962684437 (pred)	-5.949999999999999 (actual)
Steering angle: -5.640302768478476 (pred)	-5.45 (actual)
Steering angle: -3.1648782887257747 (pred)	-5.04 (actual)
Steering angle: -4.651261494583011 (pred)	-4.84 (actual)
Steering angle: -4.150537765208437 (pred)	-4.54 (actual)
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Steering angle: 11.413464669144748 (pred)	-1.82 (actual)
Steering angle: 11.461086455585368 (pred)	-1.6100000000000003 (actual)
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Steering angle: 10.613763069231206 (pred)	-1.51 (actual)
Steering angle: 11.013016654522424 (pred)	-1.41 (actual)
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Steering angle: 11.797104441993316 (pred)	-1.21 (actual)
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Steering angle: 11.741715876692744 (pred)	-0.5 (actual)
Steering angle: 10.293154843364453 (pred)	-0.1 (actual)
Steering angle: 9.825196385212077 (pred)	0.81 (actual)
Steering angle: 9.767719489572773 (pred)	1.51 (actual)
Steering angle: 9.663166368852803 (pred)	2.42 (actual)
Steering angle: 9.437687310198696 (pred)	3.13 (actual)
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Steering angle: 6.192945327055255 (pred)	4.54 (actual)
Steering angle: 6.608904701282678 (pred)	0.0 (actual)
Steering angle: 7.780782455296568 (pred)	4.54 (actual)
Steering angle: 7.410775740031345 (pred)	4.54 (actual)
Steering angle: 7.0380595740997425 (pred)	4.74 (actual)
Steering angle: 4.577157357182958 (pred)	4.94 (actual)
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Steering angle: 5.426525531419893 (pred)	9.18 (actual)
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Steering angle: 4.100624450301276 (pred)	13.21 (actual)
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Steering angle: 2.693727144023241 (pred)	13.610000000000001 (actual)
Steering angle: 2.6108669175506427 (pred)	13.92 (actual)
Steering angle: 2.3905687708254018 (pred)	14.02 (actual)
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Steering angle: 2.978595124397432 (pred)	13.71 (actual)
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Steering angle: 2.1180215979402672 (pred)	8.27 (actual)
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Steering angle: 1.5892770174957163 (pred)	6.55 (actual)
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Steering angle: 1.3031048978768758 (pred)	-13.21 (actual)
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Steering angle: 1.3654935533030648 (pred)	-11.8 (actual)
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Steering angle: 1.1698182385357199 (pred)	-2.92 (actual)
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Steering angle: 1.1133221153725479 (pred)	-2.62 (actual)
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Steering angle: 0.9642540905106658 (pred)	-3.03 (actual)
Steering angle: 0.9810281813385708 (pred)	-3.13 (actual)
Steering angle: 1.1265107837730193 (pred)	-3.4300000000000006 (actual)
Steering angle: 1.19340779093824 (pred)	-4.03 (actual)
Steering angle: 1.3475081711145402 (pred)	-4.64 (actual)
Steering angle: 1.498153542787872 (pred)	-4.84 (actual)
Steering angle: 1.0520583067252953 (pred)	-4.94 (actual)
Steering angle: 1.1457085245392211 (pred)	0.0 (actual)
Steering angle: 1.4615716899235185 (pred)	-4.94 (actual)
Steering angle: 1.1018420614816373 (pred)	-4.94 (actual)
Steering angle: 0.9649825728743299 (pred)	-4.94 (actual)
Steering angle: 1.115118028237438 (pred)	-4.64 (actual)
Steering angle: 1.418194439165237 (pred)	-4.03 (actual)
Steering angle: 1.5905158430564275 (pred)	-3.9300000000000006 (actual)
Steering angle: 1.2590668263163955 (pred)	-3.9300000000000006 (actual)
Steering angle: 1.5869457885546263 (pred)	-3.7300000000000004 (actual)
Steering angle: 1.1751737471752446 (pred)	-3.63 (actual)
Steering angle: 0.9999403348201015 (pred)	-3.63 (actual)
Steering angle: 1.1667619423255506 (pred)	-3.63 (actual)
Steering angle: 1.378517870276633 (pred)	-3.63 (actual)
Steering angle: 1.9315732284113747 (pred)	-3.63 (actual)
Steering angle: 1.9669642804826188 (pred)	-3.9300000000000006 (actual)
Steering angle: 0.969633718255697 (pred)	-3.9300000000000006 (actual)
Steering angle: 0.7408866275271503 (pred)	-3.9300000000000006 (actual)
Steering angle: 0.7905721983141734 (pred)	-4.03 (actual)
Steering angle: -0.13603773147279022 (pred)	-4.54 (actual)
Steering angle: -0.2608944432742695 (pred)	-4.74 (actual)
Steering angle: -1.871679726466356 (pred)	-4.44 (actual)
Steering angle: -3.035845343133656 (pred)	-3.3299999999999996 (actual)
Steering angle: -1.7113969578741361 (pred)	-2.7200000000000006 (actual)
Steering angle: -0.7317821988069348 (pred)	-2.62 (actual)
Steering angle: -0.7883493986261574 (pred)	-2.62 (actual)
Steering angle: -1.2619423359569708 (pred)	-2.52 (actual)
Steering angle: -0.7824058533877769 (pred)	-2.52 (actual)
Steering angle: -1.4762032357861552 (pred)	-2.52 (actual)
Steering angle: -1.2181924130021005 (pred)	-2.52 (actual)
Steering angle: -1.2896630855902906 (pred)	-2.62 (actual)
Steering angle: -0.7756819590367224 (pred)	-2.42 (actual)
Steering angle: -0.20306536600588723 (pred)	-2.42 (actual)
Steering angle: -0.7555072877757973 (pred)	-2.32 (actual)
Steering angle: -0.7377581874438729 (pred)	-2.7200000000000006 (actual)

Steering angle: -1.331620510774856 (pred)	-2.22 (actual)
Steering angle: -1.1497970330877083 (pred)	-1.6100000000000003 (actual)
Steering angle: -0.8483628557684744 (pred)	-1.21 (actual)
Steering angle: -0.6198311294421947 (pred)	-0.81 (actual)
Steering angle: -0.5496752682692317 (pred)	0.0 (actual)
Steering angle: -0.8243743776297434 (pred)	0.5 (actual)
Steering angle: -0.9687082276231603 (pred)	1.11 (actual)
Steering angle: -1.237618324775263 (pred)	1.51 (actual)
Steering angle: -0.5207045940177996 (pred)	1.71 (actual)
Steering angle: -0.9808783440636537 (pred)	1.82 (actual)
Steering angle: -0.011381656478179998 (pred)	1.82 (actual)
Steering angle: 0.1828719117247445 (pred)	1.82 (actual)
Steering angle: 0.3044665678673081 (pred)	1.82 (actual)
Steering angle: 0.32200649365590084 (pred)	1.82 (actual)
Steering angle: 0.4277235212991235 (pred)	1.82 (actual)
Steering angle: 0.49301479367915635 (pred)	1.71 (actual)
Steering angle: 0.4943370756137885 (pred)	1.71 (actual)
Steering angle: 0.4971882527054457 (pred)	1.6100000000000003 (actual)
Steering angle: 0.37646081714406215 (pred)	1.6100000000000003 (actual)
Steering angle: 0.3670193612769889 (pred)	0.0 (actual)
Steering angle: 0.28096815580152545 (pred)	1.51 (actual)
Steering angle: 0.3826937916485219 (pred)	1.51 (actual)
Steering angle: 0.5705195115122298 (pred)	1.51 (actual)
Steering angle: 0.9987640481789783 (pred)	1.41 (actual)
Steering angle: 0.9686702346959021 (pred)	1.31 (actual)
Steering angle: 1.068688536693807 (pred)	1.31 (actual)
Steering angle: 1.242685044478943 (pred)	1.41 (actual)
Steering angle: 1.1720681455370043 (pred)	1.41 (actual)
Steering angle: 1.078967544507853 (pred)	1.41 (actual)
Steering angle: 0.9763712729850915 (pred)	1.51 (actual)
Steering angle: 1.108742046647231 (pred)	2.22 (actual)
Steering angle: 1.136023316296143 (pred)	2.32 (actual)
Steering angle: 1.129545308755209 (pred)	2.42 (actual)
Steering angle: 1.1820844045114165 (pred)	2.62 (actual)
Steering angle: 1.2000994553341482 (pred)	2.92 (actual)
Steering angle: 1.1549687669498774 (pred)	3.4300000000000006 (actual)
Steering angle: 1.2892110124446006 (pred)	4.13 (actual)
Steering angle: 1.2147263054417305 (pred)	4.54 (actual)
Steering angle: 1.1311100624053767 (pred)	4.54 (actual)
Steering angle: 1.1130576589856214 (pred)	4.54 (actual)
Steering angle: 0.8803979370797151 (pred)	4.64 (actual)
Steering angle: 0.7541459456968491 (pred)	4.64 (actual)
Steering angle: 0.6721582758907202 (pred)	4.64 (actual)
Steering angle: 0.8206839410438208 (pred)	4.64 (actual)
Steering angle: 0.839374113377326 (pred)	4.64 (actual)
Steering angle: 0.7410108515926799 (pred)	4.64 (actual)
Steering angle: 0.8275190394122995 (pred)	4.64 (actual)
Steering angle: 0.7937584815619844 (pred)	4.64 (actual)

Steering angle: 0.8904549637457357 (pred)	4.54 (actual)
Steering angle: 0.9642792768332302 (pred)	4.44 (actual)
Steering angle: 0.8424908140729676 (pred)	4.44 (actual)
Steering angle: 0.967617958676897 (pred)	4.44 (actual)
Steering angle: 0.9428019604315366 (pred)	4.24 (actual)
Steering angle: 1.0731277327674922 (pred)	4.13 (actual)
Steering angle: 1.1707437291682565 (pred)	4.13 (actual)
Steering angle: 1.1616736648373027 (pred)	4.13 (actual)
Steering angle: 1.107662449871546 (pred)	4.03 (actual)
Steering angle: 0.9878455639038898 (pred)	4.13 (actual)
Steering angle: 0.9986588205770778 (pred)	4.24 (actual)
Steering angle: 0.9816166448242497 (pred)	4.24 (actual)
Steering angle: 0.9934002152464027 (pred)	4.24 (actual)
Steering angle: 0.9009213748751341 (pred)	4.24 (actual)
Steering angle: 0.8920431961711753 (pred)	4.34 (actual)
Steering angle: 0.9576751242360625 (pred)	4.34 (actual)
Steering angle: 1.0724906041839768 (pred)	4.34 (actual)
Steering angle: 1.5758008408198696 (pred)	4.34 (actual)
Steering angle: 1.572184255654348 (pred)	4.44 (actual)
Steering angle: 1.1214225062847714 (pred)	4.54 (actual)
Steering angle: 0.7447414155399763 (pred)	4.94 (actual)
Steering angle: 0.7403284730059133 (pred)	5.24 (actual)
Steering angle: 1.1951768099332731 (pred)	6.150000000000001 (actual)
Steering angle: 1.539581841755173 (pred)	6.76 (actual)
Steering angle: 1.8567284423731982 (pred)	7.06 (actual)
Steering angle: 1.9363436886598056 (pred)	7.06 (actual)
Steering angle: 2.0784543120783834 (pred)	7.16 (actual)
Steering angle: 1.9804726871136116 (pred)	7.26 (actual)
Steering angle: 1.9855517865351624 (pred)	7.26 (actual)
Steering angle: 1.9203738526066694 (pred)	7.36 (actual)
Steering angle: 1.7875608241957714 (pred)	7.760000000000002 (actual)
Steering angle: 1.9374749387410888 (pred)	8.27 (actual)
Steering angle: 1.8805683638974813 (pred)	9.08 (actual)
Steering angle: 2.010365223459584 (pred)	10.18 (actual)
Steering angle: 2.0119534558850236 (pred)	10.59 (actual)
Steering angle: 2.1822595270842373 (pred)	10.79 (actual)
Steering angle: 2.3850726029776568 (pred)	11.089999999999998 (actual)
Steering angle: 2.4302453397140056 (pred)	11.899999999999999 (actual)
Steering angle: 2.423089222454536 (pred)	12.0 (actual)
Steering angle: 2.2006863102478738 (pred)	11.8 (actual)
Steering angle: 2.105895237399144 (pred)	11.6 (actual)
Steering angle: 2.086463349210458 (pred)	11.6 (actual)
Steering angle: 1.8455952340260773 (pred)	11.6 (actual)
Steering angle: 1.7925632974325711 (pred)	11.39 (actual)
Steering angle: 1.8212699421839 (pred)	11.19 (actual)
Steering angle: 1.8492542944305002 (pred)	11.089999999999998 (actual)
Steering angle: 2.135915412905231 (pred)	10.89 (actual)
Steering angle: 2.0681663396410515 (pred)	10.49 (actual)

Steering angle: 2.034303542396598 (pred)	9.0 (actual)
Steering angle: 1.8635031362562045 (pred)	9.78 (actual)
Steering angle: 1.572673894840473 (pred)	9.68 (actual)
Steering angle: 1.462671136936479 (pred)	9.68 (actual)
Steering angle: 1.5005724969711145 (pred)	9.68 (actual)
Steering angle: 1.679072020409993 (pred)	9.68 (actual)
Steering angle: 1.684805750774807 (pred)	9.48 (actual)
Steering angle: 1.710866764439814 (pred)	9.28 (actual)
Steering angle: 1.613406795172902 (pred)	9.08 (actual)
Steering angle: 1.4694398544039617 (pred)	9.08 (actual)
Steering angle: 1.2967470589766519 (pred)	9.08 (actual)
Steering angle: 1.8506632343902267 (pred)	9.08 (actual)
Steering angle: 1.900225648328778 (pred)	9.08 (actual)
Steering angle: 1.9220920720697507 (pred)	9.08 (actual)
Steering angle: 1.3525832151112713 (pred)	9.18 (actual)
Steering angle: 1.3164480993073189 (pred)	9.28 (actual)
Steering angle: 0.9178760388292213 (pred)	9.28 (actual)
Steering angle: -1.072092959108235 (pred)	9.380000000000003 (actual)
Steering angle: -2.0144473287057245 (pred)	9.48 (actual)
Steering angle: -1.9657019761466359 (pred)	9.68 (actual)
Steering angle: -1.1671632159392888 (pred)	9.979999999999999 (actual)
Steering angle: -0.15823883448309353 (pred)	10.29 (actual)
Steering angle: 1.4106583926331857 (pred)	10.49 (actual)
Steering angle: 1.3777977122060197 (pred)	10.69 (actual)
Steering angle: 1.382560061604811 (pred)	11.19 (actual)
Steering angle: 1.468105619638282 (pred)	11.899999999999999 (actual)
Steering angle: 1.686457802780304 (pred)	12.100000000000001 (actual)
Steering angle: 1.7371316165628632 (pred)	12.81 (actual)
Steering angle: 1.6888549857355668 (pred)	13.82 (actual)
Steering angle: 1.6915038184730624 (pred)	14.12 (actual)
Steering angle: 1.4264344220686227 (pred)	14.12 (actual)
Steering angle: 3.516003799804144 (pred)	14.32 (actual)
Steering angle: 7.631892015353106 (pred)	14.62 (actual)
Steering angle: 6.943375649843618 (pred)	14.82 (actual)
Steering angle: 2.570757485423389 (pred)	14.82 (actual)
Steering angle: 1.4686074250988663 (pred)	14.82 (actual)
Steering angle: 4.059686003963512 (pred)	14.82 (actual)
Steering angle: 7.763213501204003 (pred)	15.030000000000001 (actual)
Steering angle: 7.983550281186736 (pred)	15.030000000000001 (actual)
Steering angle: 3.8654943343499415 (pred)	15.030000000000001 (actual)
Steering angle: 3.089361582827998 (pred)	15.030000000000001 (actual)
Steering angle: 1.8869910895948205 (pred)	15.43 (actual)
Steering angle: 1.4064717001153795 (pred)	15.83 (actual)
Steering angle: -2.318418921301618 (pred)	15.929999999999998 (actual)
Steering angle: -1.5459791676865362 (pred)	15.929999999999998 (actual)
Steering angle: -2.7853336411714515 (pred)	15.929999999999998 (actual)
Steering angle: -5.3819559857646215 (pred)	16.13 (actual)
Steering angle: -5.384997981266215 (pred)	16.13 (actual)

Steering angle: -8.336794858455102 (pred)	16.13 (actual)
Steering angle: -8.608234260034225 (pred)	16.13 (actual)
Steering angle: -8.851132862392804 (pred)	0.0 (actual)
Steering angle: -5.5894477412395 (pred)	16.13 (actual)
Steering angle: -3.356399354373871 (pred)	16.13 (actual)
Steering angle: -1.3837088140458427 (pred)	16.34 (actual)
Steering angle: -1.114642903203299 (pred)	16.34 (actual)
Steering angle: -0.4558024289770459 (pred)	16.44 (actual)
Steering angle: 1.093008492450695 (pred)	16.54 (actual)
Steering angle: 2.094860853351577 (pred)	16.84 (actual)
Steering angle: 2.612654933009305 (pred)	17.04 (actual)
Steering angle: 3.231483305303977 (pred)	17.95 (actual)
Steering angle: 4.082820708455992 (pred)	18.45 (actual)
Steering angle: 6.352029397448137 (pred)	18.760000000000005 (actual)
Steering angle: 7.292096080560496 (pred)	18.96 (actual)
Steering angle: 7.605845942726909 (pred)	19.16 (actual)
Steering angle: 20.175781166665292 (pred)	19.26 (actual)
Steering angle: 19.460113945431353 (pred)	19.26 (actual)
Steering angle: 26.36634361147386 (pred)	19.36 (actual)
Steering angle: 12.849807347821532 (pred)	19.36 (actual)
Steering angle: 1.6040455940285765 (pred)	19.36 (actual)
Steering angle: 0.8644530739057319 (pred)	19.56 (actual)
Steering angle: 1.330392357384723 (pred)	19.66 (actual)
Steering angle: 1.873226764313364 (pred)	19.76 (actual)
Steering angle: 1.5116113633303245 (pred)	19.76 (actual)
Steering angle: 2.6684959983423906 (pred)	19.66 (actual)
Steering angle: 1.850083948971245 (pred)	19.36 (actual)
Steering angle: 1.1037718033655775 (pred)	19.060000000000002 (actual)
Steering angle: 1.373070154083313 (pred)	18.66 (actual)
Steering angle: 1.1149385223283137 (pred)	17.55 (actual)
Steering angle: 2.0059053233749773 (pred)	16.44 (actual)
Steering angle: 2.225603907557138 (pred)	15.63 (actual)
Steering angle: 2.506525959581766 (pred)	14.82 (actual)
Steering angle: 2.525072057612466 (pred)	13.51 (actual)
Steering angle: 2.1226183152516858 (pred)	11.699999999999998 (actual)
Steering angle: 2.0461287342840055 (pred)	10.79 (actual)
Steering angle: 2.377728228629189 (pred)	10.59 (actual)
Steering angle: 2.440891897082763 (pred)	10.59 (actual)
Steering angle: 2.7470572610627 (pred)	10.59 (actual)
Steering angle: 2.911314559421633 (pred)	10.79 (actual)
Steering angle: 3.3769146813196507 (pred)	11.089999999999998 (actual)
Steering angle: 3.4608425517368864 (pred)	11.19 (actual)
Steering angle: 3.4960688254944037 (pred)	11.19 (actual)
Steering angle: 3.523287556223728 (pred)	11.5 (actual)
Steering angle: 4.017668814623709 (pred)	11.899999999999999 (actual)
Steering angle: 4.337621342330141 (pred)	11.899999999999999 (actual)
Steering angle: 4.086061633217163 (pred)	11.899999999999999 (actual)
Steering angle: 3.8060447947009735 (pred)	11.899999999999999 (actual)



Steering angle: 4.5819555650748915 (pred)	11.899999999999999 (actual)
Steering angle: 6.057580369215711 (pred)	11.899999999999999 (actual)
Steering angle: 7.995433956568912 (pred)	12.2 (actual)
Steering angle: 8.59944124525148 (pred)	12.61 (actual)
Steering angle: 4.129575487758845 (pred)	12.709999999999999 (actual)
Steering angle: 0.46870380254555377 (pred)	12.81 (actual)
Steering angle: 0.15298172325629936 (pred)	13.21 (actual)
Steering angle: -1.0059105604849272 (pred)	13.82 (actual)
Steering angle: -9.759303842741671 (pred)	14.52 (actual)
Steering angle: -9.710683141134936 (pred)	14.62 (actual)
Steering angle: -10.401457737938761 (pred)	14.62 (actual)
Steering angle: -10.245781505054891 (pred)	14.62 (actual)
Steering angle: -3.6045725703189917 (pred)	14.62 (actual)
Steering angle: 0.6731055377512363 (pred)	14.62 (actual)
Steering angle: 7.127313497965707 (pred)	14.62 (actual)
Steering angle: 10.80114845533686 (pred)	14.62 (actual)
Steering angle: 5.654797283670889 (pred)	14.420000000000002 (actual)
Steering angle: -2.5987435452172813 (pred)	14.12 (actual)
Steering angle: -7.548453570678585 (pred)	13.610000000000001 (actual)
Steering angle: -4.128019485288552 (pred)	13.41 (actual)
Steering angle: -3.877094556881562 (pred)	13.41 (actual)
Steering angle: -7.349251957308809 (pred)	13.41 (actual)
Steering angle: -7.89958676571977 (pred)	13.01 (actual)
Steering angle: -3.0841002027329725 (pred)	13.01 (actual)
Steering angle: -2.5768690106266696 (pred)	12.910000000000002 (actual)
Steering angle: -2.55591399025307 (pred)	12.4 (actual)
Steering angle: -8.341401821050276 (pred)	11.699999999999998 (actual)
Steering angle: -0.887203153370575 (pred)	11.19 (actual)
Steering angle: 0.06795803436409968 (pred)	10.69 (actual)
Steering angle: -0.01581188792857952 (pred)	9.78 (actual)
Steering angle: 0.6406704634867266 (pred)	8.87 (actual)
Steering angle: 0.6610152491466674 (pred)	8.37 (actual)
Steering angle: 0.7041777758329167 (pred)	7.87 (actual)
Steering angle: 0.8027623784353537 (pred)	7.760000000000002 (actual)
Steering angle: 1.3674792173608346 (pred)	7.760000000000002 (actual)
Steering angle: 1.9484329100473166 (pred)	7.760000000000002 (actual)
Steering angle: 2.1002680152967 (pred)	6.860000000000001 (actual)
Steering angle: 3.058914520498785 (pred)	6.55 (actual)
Steering angle: 3.689057314596995 (pred)	5.849999999999999 (actual)
Steering angle: 2.5946010354856686 (pred)	6.35 (actual)
Steering angle: 0.729729300074523 (pred)	0.0 (actual)
Steering angle: 1.2731195136468736 (pred)	5.55 (actual)
Steering angle: 2.958004238483959 (pred)	5.949999999999999 (actual)
Steering angle: 6.917503320154432 (pred)	5.949999999999999 (actual)
Steering angle: 5.0004344253324025 (pred)	5.45 (actual)
Steering angle: 3.3691572939698085 (pred)	5.139999999999999 (actual)
Steering angle: 2.7911721722513434 (pred)	5.139999999999999 (actual)
Steering angle: 2.2205809437528283 (pred)	5.04 (actual)

Steering angle: 2.548661183128163 (pred)	5.139999999999999 (actual)
Steering angle: 2.5460524777520415 (pred)	5.139999999999999 (actual)
Steering angle: 3.019943595528808 (pred)	5.04 (actual)
Steering angle: 2.6940016322505107 (pred)	5.04 (actual)
Steering angle: 2.4162127160642144 (pred)	4.94 (actual)
Steering angle: 1.8686061413398503 (pred)	4.64 (actual)
Steering angle: 2.4780056509287314 (pred)	4.34 (actual)
Steering angle: 4.234459872653561 (pred)	4.34 (actual)
Steering angle: 4.829391974363297 (pred)	4.34 (actual)
Steering angle: 5.599259307982223 (pred)	4.34 (actual)
Steering angle: 5.3916138732510195 (pred)	3.829999999999999 (actual)
Steering angle: 8.220469052926969 (pred)	3.3299999999999996 (actual)
Steering angle: 8.124342678095502 (pred)	2.92 (actual)
Steering angle: 6.258359329396937 (pred)	2.22 (actual)
Steering angle: 4.204037783203501 (pred)	1.11 (actual)
Steering angle: 2.797653168000039 (pred)	0.4 (actual)
Steering angle: 2.278392305218051 (pred)	0.0 (actual)
Steering angle: 3.3039648458893294 (pred)	0.0 (actual)
Steering angle: 4.083285588206376 (pred)	-0.1 (actual)
Steering angle: 3.8271351381975034 (pred)	-0.2 (actual)
Steering angle: 2.8119577185561613 (pred)	-0.3 (actual)
Steering angle: 2.821660215715576 (pred)	-0.4 (actual)
Steering angle: -0.6769468788291337 (pred)	-1.51 (actual)
Steering angle: -3.373164053691667 (pred)	-2.22 (actual)
Steering angle: -7.267121493860344 (pred)	-2.42 (actual)
Steering angle: -8.824595869920012 (pred)	-2.52 (actual)
Steering angle: -6.148514092730676 (pred)	-2.62 (actual)
Steering angle: -5.289945653681733 (pred)	-2.62 (actual)
Steering angle: -1.6905379870357404 (pred)	-2.7200000000000006 (actual)
Steering angle: -0.9369124163762815 (pred)	-2.82 (actual)
Steering angle: 0.5607529813293463 (pred)	-2.82 (actual)
Steering angle: -1.0139740256869505 (pred)	-2.82 (actual)
Steering angle: -1.9291382659722651 (pred)	-3.03 (actual)
Steering angle: -6.393898883947139 (pred)	-3.3299999999999996 (actual)
Steering angle: -9.111751536779334 (pred)	-4.13 (actual)
Steering angle: -8.889427171748126 (pred)	-4.94 (actual)
Steering angle: -6.420491371706937 (pred)	-5.3400000000000001 (actual)
Steering angle: -4.606642430056256 (pred)	-5.3400000000000001 (actual)
Steering angle: -3.750098288322576 (pred)	0.0 (actual)
Steering angle: -4.798797849523518 (pred)	-5.949999999999999 (actual)
Steering angle: -5.9068987121624135 (pred)	-7.06 (actual)
Steering angle: -9.283768997252459 (pred)	-8.17 (actual)
Steering angle: -11.61114315032961 (pred)	-9.48 (actual)
Steering angle: -10.04827548614657 (pred)	-10.08 (actual)
Steering angle: -9.851829854106896 (pred)	-10.49 (actual)
Steering angle: -10.707611575974473 (pred)	-11.19 (actual)
Steering angle: -12.083151910659804 (pred)	-12.61 (actual)
Steering angle: -10.841111038396958 (pred)	-14.32 (actual)

Steering angle: -7.2841132969680435 (pred)	-16.44 (actual)
Steering angle: -6.212364408639248 (pred)	-18.35 (actual)
Steering angle: -8.071570929020691 (pred)	-19.36 (actual)
Steering angle: -12.545948453346943 (pred)	-20.67 (actual)
Steering angle: -13.975722197589468 (pred)	-21.88 (actual)
Steering angle: -12.636834365537718 (pred)	-23.6 (actual)
Steering angle: -11.543442315276444 (pred)	-25.11 (actual)
Steering angle: -10.01294206379645 (pred)	-26.12 (actual)
Steering angle: -6.421772032176315 (pred)	-26.82 (actual)
Steering angle: 0.30290138733031735 (pred)	-26.82 (actual)
Steering angle: 7.126474238471442 (pred)	-26.82 (actual)
Steering angle: -0.6414666074118562 (pred)	-26.82 (actual)
Steering angle: 0.06138867304301679 (pred)	-26.82 (actual)
Steering angle: -5.0072287560092725 (pred)	-26.82 (actual)
Steering angle: -8.352492340715084 (pred)	-27.23 (actual)
Steering angle: -8.768796639495593 (pred)	-28.03 (actual)
Steering angle: -6.287464046110831 (pred)	-29.55 (actual)
Steering angle: -5.785972774228276 (pred)	-30.549999999999994 (actual)
Steering angle: -7.282064240217039 (pred)	-31.560000000000006 (actual)
Steering angle: -7.906547582257659 (pred)	-32.77 (actual)
Steering angle: -8.080659349485039 (pred)	-34.29 (actual)
Steering angle: -6.257874812852688 (pred)	-37.21 (actual)
Steering angle: -6.498067806526296 (pred)	-38.72 (actual)
Steering angle: -6.354539065081294 (pred)	-39.53 (actual)
Steering angle: -8.103338992624067 (pred)	-40.640000000000001 (actual)
Steering angle: -8.251577149501792 (pred)	-42.55 (actual)
Steering angle: -12.383504356769237 (pred)	-43.46 (actual)
Steering angle: -12.875407750604385 (pred)	-44.57 (actual)
Steering angle: -12.683310387745069 (pred)	-45.88 (actual)
Steering angle: -12.803789802062216 (pred)	-46.79 (actual)
Steering angle: -12.264927150135938 (pred)	-46.989999999999995 (actual)
Steering angle: -8.682872859736833 (pred)	-46.989999999999995 (actual)
Steering angle: -8.632961252376964 (pred)	-47.5 (actual)
Steering angle: -10.959075235552248 (pred)	-48.5 (actual)
Steering angle: -13.096842483496198 (pred)	-50.22 (actual)
Steering angle: -11.543095683176066 (pred)	-52.84 (actual)
Steering angle: -10.726698539610075 (pred)	-55.16 (actual)
Steering angle: -12.711621521854772 (pred)	-57.480000000000004 (actual)
Steering angle: -12.408396981199349 (pred)	-60.71 (actual)
Steering angle: -8.892289021010361 (pred)	-62.71999999999999 (actual)
Steering angle: -8.96548303570351 (pred)	-63.83 (actual)
Steering angle: -11.546964985340878 (pred)	-64.54 (actual)
Steering angle: -14.749527135264906 (pred)	-64.94 (actual)
Steering angle: -15.031955457444932 (pred)	-66.15 (actual)
Steering angle: -6.362663575099025 (pred)	-67.97 (actual)
Steering angle: -7.63645116662409 (pred)	-69.07999999999998 (actual)
Steering angle: -8.876460911382503 (pred)	-69.58 (actual)
Steering angle: -11.917683747827075 (pred)	-69.58 (actual)

Steering angle: -13.304999328641507 (pred)	-69.88 (actual)
Steering angle: -14.8694720872795 (pred)	-69.98000000000002 (actual)
Steering angle: -16.61944509981222 (pred)	-69.98000000000002 (actual)
Steering angle: -16.213137636655674 (pred)	-69.98000000000002 (actual)
Steering angle: -17.65401043829947 (pred)	-69.98000000000002 (actual)
Steering angle: -17.902957173168094 (pred)	-69.98000000000002 (actual)
Steering angle: -17.02597112902221 (pred)	-69.98000000000002 (actual)
Steering angle: -13.779806758984114 (pred)	-69.68 (actual)
Steering angle: -13.818568082523935 (pred)	-69.38 (actual)
Steering angle: -14.732881964257585 (pred)	-68.87 (actual)
Steering angle: -15.201497828117574 (pred)	-67.45999999999998 (actual)
Steering angle: -14.639028334872439 (pred)	-65.75 (actual)
Steering angle: -16.978982842627108 (pred)	-63.03 (actual)
Steering angle: -16.465786334054446 (pred)	-61.21 (actual)
Steering angle: -13.014060590755644 (pred)	-59.9 (actual)
Steering angle: -11.29940136377918 (pred)	-58.58999999999999 (actual)
Steering angle: -9.984679594784582 (pred)	-58.08 (actual)
Steering angle: -12.944409736694439 (pred)	-57.779999999999994 (actual)
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Steering angle: -14.723808057945222 (pred)	-57.28 (actual)
Steering angle: -8.962259186415265 (pred)	-56.47 (actual)
Steering angle: -7.176777727934939 (pred)	-55.46 (actual)
Steering angle: -6.809492843053966 (pred)	-54.86 (actual)
Steering angle: -6.533784573243585 (pred)	-54.66 (actual)
Steering angle: -5.650930542827016 (pred)	-54.45000000000001 (actual)
Steering angle: -6.516816675797981 (pred)	-53.75 (actual)
Steering angle: -7.428735722453894 (pred)	-52.54 (actual)
Steering angle: -6.7841485723649875 (pred)	-51.63 (actual)
Steering angle: -5.545136888999042 (pred)	-51.13 (actual)
Steering angle: -4.106590620541283 (pred)	-50.42000000000001 (actual)
Steering angle: -3.3779434785633837 (pred)	-49.61 (actual)
Steering angle: -3.1785049430067733 (pred)	-48.71000000000001 (actual)
Steering angle: -4.886959370009103 (pred)	-48.3 (actual)
Steering angle: -6.005034016383511 (pred)	-48.400000000000006 (actual)
Steering angle: -9.55032566734867 (pred)	-48.10000000000001 (actual)
Steering angle: -9.004359618685577 (pred)	-47.09 (actual)
Steering angle: -8.531434759232956 (pred)	-45.57999999999999 (actual)
Steering angle: -6.960986438844849 (pred)	-43.16 (actual)
Steering angle: -6.105089457535027 (pred)	-41.24 (actual)
Steering angle: -3.794172645263022 (pred)	-39.33 (actual)
Steering angle: -3.95260059060876 (pred)	-37.10999999999999 (actual)
Steering angle: -5.057553589813927 (pred)	-36.29999999999999 (actual)
Steering angle: -6.022500517638526 (pred)	-36.29999999999999 (actual)
Steering angle: -6.765114542695454 (pred)	-36.29999999999999 (actual)
Steering angle: -6.756756952472298 (pred)	-36.29999999999999 (actual)
Steering angle: -9.476832831879332 (pred)	-36.29999999999999 (actual)
Steering angle: -9.856175561966316 (pred)	-36.61 (actual)
Steering angle: -9.906300612737747 (pred)	-37.82 (actual)

Steering angle: -9.746212931423695 (pred)	-39.03 (actual)
Steering angle: -10.475409049856134 (pred)	-40.13 (actual)
Steering angle: -12.612486448693915 (pred)	-40.13 (actual)
Steering angle: -12.546814179824242 (pred)	-39.73 (actual)
Steering angle: -10.920141449735883 (pred)	-39.73 (actual)
Steering angle: -10.752759126388257 (pred)	-39.63 (actual)
Steering angle: -9.768573263219025 (pred)	-39.63 (actual)
Steering angle: -8.51381116362703 (pred)	-39.53 (actual)
Steering angle: -7.5156191437910405 (pred)	-39.53 (actual)
Steering angle: -7.342025617166935 (pred)	-39.53 (actual)
Steering angle: -7.180025482885281 (pred)	-39.53 (actual)
Steering angle: -7.150723971345926 (pred)	-38.81999999999999 (actual)
Steering angle: -5.905954438509659 (pred)	-37.92 (actual)
Steering angle: -6.065149926363378 (pred)	-37.82 (actual)
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Steering angle: -4.664179943624443 (pred)	-37.31 (actual)
Steering angle: -3.980735847347335 (pred)	-36.81 (actual)
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Steering angle: -4.945397614774086 (pred)	-37.21 (actual)
Steering angle: -7.429327387590746 (pred)	-37.21 (actual)
Steering angle: -7.944134113260239 (pred)	-37.21 (actual)
Steering angle: -3.2280212531684267 (pred)	-37.31 (actual)
Steering angle: -1.4473051322946544 (pred)	-37.41 (actual)
Steering angle: -0.7152305160138783 (pred)	-37.41 (actual)
Steering angle: -0.719589884251639 (pred)	-36.81 (actual)
Steering angle: -0.8227436699654028 (pred)	-35.8 (actual)
Steering angle: -0.6544055470207992 (pred)	-33.58 (actual)
Steering angle: -0.46254980210337227 (pred)	-31.460000000000004 (actual)
Steering angle: 5.056145290184435 (pred)	-30.25 (actual)
Steering angle: 5.650896391881166 (pred)	-29.34 (actual)
Steering angle: 4.905415394920124 (pred)	-28.64 (actual)
Steering angle: 5.232114868866058 (pred)	-27.93 (actual)
Steering angle: 4.354514107694875 (pred)	-26.22 (actual)
Steering angle: -0.4522140183418505 (pred)	-24.810000000000002 (actual)
Steering angle: -0.313308034304478 (pred)	-23.09 (actual)
Steering angle: -0.040119250524185524 (pred)	-21.18 (actual)
Steering angle: -0.7603840428431864 (pred)	-20.469999999999995 (actual)
Steering angle: -2.8165706575668588 (pred)	-20.27 (actual)
Steering angle: -2.831181285975162 (pred)	-20.27 (actual)
Steering angle: -4.40515184954088 (pred)	-19.97 (actual)
Steering angle: -8.349363260301573 (pred)	-19.26 (actual)
Steering angle: -10.83467358510422 (pred)	-18.05 (actual)
Steering angle: -12.253416573837175 (pred)	-16.939999999999998 (actual)
Steering angle: -10.85694512444034 (pred)	-15.63 (actual)
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Steering angle: -7.641768468892945 (pred)	-12.709999999999999 (actual)
Steering angle: -2.2493499139803337 (pred)	0.0 (actual)
Steering angle: 15.434451675044613 (pred)	-11.5 (actual)

Steering angle: 28.347918093477958 (pred)	-10.08 (actual)
Steering angle: 23.86184984661358 (pred)	-6.76 (actual)
Steering angle: 15.609424046107415 (pred)	-3.03 (actual)
Steering angle: 9.6981984091058 (pred)	0.0 (actual)
Steering angle: 4.844918701894029 (pred)	3.829999999999999 (actual)
Steering angle: 0.5705890940643993 (pred)	7.559999999999999 (actual)
Steering angle: -0.15586406308604472 (pred)	10.79 (actual)
Steering angle: -0.4481304189918291 (pred)	13.01 (actual)
Steering angle: -0.550066296599215 (pred)	15.33 (actual)
Steering angle: -0.47307469672753877 (pred)	17.04 (actual)
Steering angle: -0.543849543794034 (pred)	17.95 (actual)
Steering angle: -0.5176399735145795 (pred)	18.96 (actual)
Steering angle: -0.660645351714429 (pred)	19.87 (actual)
Steering angle: -1.0605900667722874 (pred)	20.370000000000005 (actual)
Steering angle: -1.328692067168213 (pred)	20.370000000000005 (actual)
Steering angle: -0.6978186562722234 (pred)	20.370000000000005 (actual)
Steering angle: 0.04219221293728439 (pred)	20.77 (actual)
Steering angle: 0.25133431287036734 (pred)	21.28 (actual)
Steering angle: 0.2823491346743374 (pred)	21.78 (actual)
Steering angle: 0.17933430062150105 (pred)	21.98 (actual)
Steering angle: 0.2496378646352654 (pred)	22.08 (actual)
Steering angle: 0.3854888331229381 (pred)	22.179999999999996 (actual)
Steering angle: 0.8246251736383298 (pred)	22.29 (actual)
Steering angle: 1.1103044524198715 (pred)	22.59 (actual)
Steering angle: 1.946977012537046 (pred)	23.09 (actual)
Steering angle: 2.263503346601069 (pred)	23.9 (actual)
Steering angle: 2.4591590245745505 (pred)	24.4 (actual)
Steering angle: 2.7976642670574403 (pred)	24.4 (actual)
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Steering angle: 7.654029512226764 (pred)	24.4 (actual)
Steering angle: 9.292229040313167 (pred)	24.4 (actual)
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Steering angle: 8.547627430207763 (pred)	24.4 (actual)
Steering angle: 7.747493820829218 (pred)	24.4 (actual)
Steering angle: 3.128383307329927 (pred)	24.4 (actual)
Steering angle: 2.1737845429847207 (pred)	24.61 (actual)
Steering angle: 1.6293388517421914 (pred)	25.210000000000004 (actual)
Steering angle: 1.1409544994334806 (pred)	25.71 (actual)
Steering angle: 1.1933864465970836 (pred)	25.31 (actual)
Steering angle: 1.5147500486973569 (pred)	23.6 (actual)
Steering angle: 1.688134614221542 (pred)	21.98 (actual)
Steering angle: 1.431446286815531 (pred)	21.479999999999997 (actual)
Steering angle: 1.481622137118914 (pred)	20.869999999999997 (actual)
Steering angle: 1.649491324888314 (pred)	19.46 (actual)
Steering angle: 2.8175288050413645 (pred)	18.45 (actual)
Steering angle: 4.572783901680034 (pred)	17.55 (actual)
Steering angle: 6.601092672419476 (pred)	17.34 (actual)

Steering angle: 6.328872921727679 (pred)	17.34 (actual)
Steering angle: 6.796602141656036 (pred)	17.34 (actual)
Steering angle: 7.318143006960339 (pred)	17.34 (actual)
Steering angle: 7.661976437326074 (pred)	17.850000000000005 (actual)
Steering angle: 7.166431698889663 (pred)	18.66 (actual)
Steering angle: 3.8679715585845402 (pred)	19.56 (actual)
Steering angle: 3.0552755237750495 (pred)	20.469999999999995 (actual)
Steering angle: 3.453814500524355 (pred)	21.68 (actual)
Steering angle: 1.846374302478282 (pred)	22.59 (actual)
Steering angle: 1.7481655737236073 (pred)	23.5 (actual)
Steering angle: 1.5808154803311283 (pred)	24.3 (actual)
Steering angle: 1.5121603397848642 (pred)	25.210000000000004 (actual)
Steering angle: 1.3601231036247308 (pred)	25.92 (actual)
Steering angle: 0.9948324205379897 (pred)	28.03 (actual)
Steering angle: 0.9567897609648996 (pred)	29.24 (actual)
Steering angle: 0.8621137341150026 (pred)	30.05 (actual)
Steering angle: 0.6635016514479637 (pred)	30.35 (actual)
Steering angle: 0.5326572116219104 (pred)	31.560000000000006 (actual)
Steering angle: -0.1658041227625289 (pred)	32.77 (actual)
Steering angle: -1.238477221063392 (pred)	34.08 (actual)
Steering angle: -1.765450221191971 (pred)	34.59 (actual)
Steering angle: -3.113448244936048 (pred)	35.5 (actual)
Steering angle: -5.654939010096167 (pred)	37.21 (actual)
Steering angle: -7.3771259593116305 (pred)	40.24 (actual)
Steering angle: -5.477591440749493 (pred)	43.16 (actual)
Steering angle: -3.529357673405165 (pred)	44.77 (actual)
Steering angle: -1.8628726244184477 (pred)	46.69 (actual)
Steering angle: 1.4981100003319132 (pred)	47.7 (actual)
Steering angle: 2.1624272190554588 (pred)	48.81 (actual)
Steering angle: 1.9348830953944807 (pred)	49.11 (actual)
Steering angle: 1.8614846019130542 (pred)	49.41 (actual)
Steering angle: 2.4752535115800396 (pred)	50.22 (actual)
Steering angle: 3.1176513725965447 (pred)	52.24 (actual)
Steering angle: 3.8643349097383317 (pred)	54.35 (actual)
Steering angle: 3.821755937339295 (pred)	56.37 (actual)
Steering angle: 8.396073216487997 (pred)	57.380000000000001 (actual)
Steering angle: 9.754681512220866 (pred)	57.879999999999995 (actual)
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Steering angle: 8.991255900762908 (pred)	61.41 (actual)
Steering angle: 11.103474826116425 (pred)	61.509999999999984 (actual)
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Steering angle: 10.985847869551405 (pred)	62.71999999999999 (actual)
Steering angle: 10.96961165612064 (pred)	64.13 (actual)
Steering angle: 11.60556971596688 (pred)	65.45 (actual)
Steering angle: 9.90758724962265 (pred)	65.95 (actual)
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Steering angle: 5.757277015090938 (pred)	65.95 (actual)

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Steering angle: 4.986155061098844 (pred)	65.95 (actual)
Steering angle: 4.178511231841048 (pred)	65.95 (actual)
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Steering angle: 10.296694588901813 (pred)	66.25 (actual)
Steering angle: 8.409405745747861 (pred)	0.0 (actual)
Steering angle: 6.926014162747091 (pred)	66.35 (actual)
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Steering angle: 9.479489775466467 (pred)	65.85 (actual)
Steering angle: 8.699606823203364 (pred)	65.14 (actual)
Steering angle: 6.578116769825199 (pred)	64.03 (actual)
Steering angle: 7.122539622622691 (pred)	63.930000000000001 (actual)
Steering angle: 10.006585719000105 (pred)	63.930000000000001 (actual)
Steering angle: 8.91999995224675 (pred)	63.52999999999999 (actual)
Steering angle: 6.113692934568305 (pred)	62.620000000000005 (actual)
Steering angle: 4.899466300153043 (pred)	61.61 (actual)
Steering angle: 5.200435170835069 (pred)	61.509999999999984 (actual)
Steering angle: 4.921806995154508 (pred)	61.509999999999984 (actual)
Steering angle: 4.016474812179427 (pred)	60.910000000000004 (actual)
Steering angle: 3.943682071100016 (pred)	59.38999999999999 (actual)
Steering angle: 4.162945230722588 (pred)	57.680000000000001 (actual)
Steering angle: 4.22002853671097 (pred)	56.27 (actual)
Steering angle: 4.096981398152721 (pred)	55.26 (actual)
Steering angle: 3.9648189452602667 (pred)	54.450000000000001 (actual)
Steering angle: 3.0946037530159827 (pred)	53.45 (actual)
Steering angle: 2.5755552664284997 (pred)	52.84 (actual)
Steering angle: 1.565005513393253 (pred)	0.0 (actual)
Steering angle: 1.754998751101382 (pred)	52.740000000000001 (actual)
Steering angle: 2.3346004932190247 (pred)	52.64 (actual)
Steering angle: 3.025186619490439 (pred)	52.34 (actual)
Steering angle: 3.285703054482831 (pred)	51.63 (actual)
Steering angle: 2.4970245261160433 (pred)	51.53 (actual)
Steering angle: 2.282050725292239 (pred)	51.53 (actual)
Steering angle: 2.1393576148035063 (pred)	51.53 (actual)
Steering angle: 3.0191369928765117 (pred)	51.53 (actual)



Steering angle: 3.524972265071194 (pred)	51.53 (actual)
Steering angle: 4.313750684954592 (pred)	51.73 (actual)
Steering angle: 8.367978940884441 (pred)	51.93 (actual)
Steering angle: 9.177154866950437 (pred)	52.03 (actual)
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Steering angle: 8.517634362014945 (pred)	51.93 (actual)
Steering angle: 7.434772755906539 (pred)	51.93 (actual)
Steering angle: 6.772185069146887 (pred)	52.13000000000001 (actual)
Steering angle: 8.36689294080641 (pred)	0.0 (actual)
Steering angle: 9.131599212733745 (pred)	52.13000000000001 (actual)
Steering angle: 9.905317919270912 (pred)	52.13000000000001 (actual)
Steering angle: 10.48874584798423 (pred)	52.03 (actual)
Steering angle: 13.374312088338797 (pred)	52.03 (actual)
Steering angle: 14.49422832446817 (pred)	52.13000000000001 (actual)
Steering angle: 14.447540566396546 (pred)	52.24 (actual)
Steering angle: 15.597937375470746 (pred)	52.24 (actual)
Steering angle: 16.71426861605951 (pred)	52.13000000000001 (actual)
Steering angle: 18.76480410301864 (pred)	52.13000000000001 (actual)
Steering angle: 18.534589161948777 (pred)	52.54 (actual)
Steering angle: 17.65049972106608 (pred)	52.74000000000001 (actual)
Steering angle: 16.20640990032321 (pred)	52.84 (actual)
Steering angle: 13.567982956028155 (pred)	52.84 (actual)
Steering angle: 12.987081343534093 (pred)	52.94 (actual)
Steering angle: 14.460883340940166 (pred)	52.94 (actual)
Steering angle: 14.711679349526571 (pred)	53.24 (actual)
Steering angle: 23.397724832132877 (pred)	54.15 (actual)
Steering angle: 33.244405577379226 (pred)	55.56 (actual)
Steering angle: 43.8925817009699 (pred)	56.97 (actual)
Steering angle: 46.65726810716722 (pred)	58.38999999999999 (actual)
Steering angle: 54.66758419216394 (pred)	59.19 (actual)
Steering angle: 53.91997217618186 (pred)	59.9 (actual)
Steering angle: 59.49869993551903 (pred)	60.4 (actual)
Steering angle: 58.431305292786114 (pred)	61.41 (actual)
Steering angle: 54.44619727059632 (pred)	62.92000000000001 (actual)
Steering angle: 51.14541614663386 (pred)	64.44 (actual)
Steering angle: 40.48223751253126 (pred)	65.65000000000002 (actual)
Steering angle: 34.65343262201784 (pred)	66.66 (actual)
Steering angle: 21.939950727387885 (pred)	66.86 (actual)
Steering angle: 17.067403056527507 (pred)	0.0 (actual)
Steering angle: 14.036061796264653 (pred)	67.26 (actual)
Steering angle: 11.532317644665785 (pred)	67.97 (actual)
Steering angle: 11.431028500595435 (pred)	68.97 (actual)
Steering angle: 11.965774255999488 (pred)	69.18 (actual)
Steering angle: 11.810714447688213 (pred)	69.07999999999998 (actual)
Steering angle: 11.627892481721775 (pred)	69.07999999999998 (actual)
Steering angle: 11.67957652317126 (pred)	0.0 (actual)
Steering angle: 10.707494608984938 (pred)	69.07999999999998 (actual)
Steering angle: 10.768097169943168 (pred)	68.97 (actual)

Steering angle: 10.076838483481918 (pred)	68.97 (actual)
Steering angle: 9.655491797546649 (pred)	68.97 (actual)
Steering angle: 7.463007050388079 (pred)	68.77 (actual)
Steering angle: 7.154885690984579 (pred)	68.07 (actual)
Steering angle: 6.835994830807262 (pred)	67.97 (actual)
Steering angle: 5.323611229213903 (pred)	68.07 (actual)
Steering angle: 8.02693735034195 (pred)	67.87 (actual)
Steering angle: 5.683986523975761 (pred)	67.06 (actual)
Steering angle: 3.844660976720933 (pred)	66.45 (actual)
Steering angle: 5.907930924500731 (pred)	0.0 (actual)
Steering angle: 6.936165531401023 (pred)	66.05 (actual)
Steering angle: 2.7270176994812942 (pred)	65.45 (actual)
Steering angle: -3.662323527298742 (pred)	64.24000000000001 (actual)
Steering angle: -8.524286966266537 (pred)	62.92000000000001 (actual)
Steering angle: -9.461345377936327 (pred)	62.52 (actual)
Steering angle: -10.878957116587998 (pred)	0.0 (actual)
Steering angle: -11.155677108169188 (pred)	60.610000000000014 (actual)
Steering angle: -12.097744609821536 (pred)	57.98000000000001 (actual)
Steering angle: -13.456537320661996 (pred)	56.67 (actual)
Steering angle: -14.07138924219925 (pred)	56.07 (actual)
Steering angle: -13.116424635846625 (pred)	56.07 (actual)
Steering angle: -11.037583137419666 (pred)	56.67 (actual)
Steering angle: -3.6954490909996576 (pred)	57.879999999999995 (actual)
Steering angle: 10.511751632656127 (pred)	58.58999999999999 (actual)
Steering angle: 19.613175069636753 (pred)	58.58999999999999 (actual)
Steering angle: 21.283887151946065 (pred)	57.28 (actual)
Steering angle: 24.229515514540783 (pred)	56.27 (actual)
Steering angle: 26.640804517987064 (pred)	56.37 (actual)
Steering angle: 29.090042052461936 (pred)	56.37 (actual)
Steering angle: 30.225694190665372 (pred)	56.27 (actual)
Steering angle: 46.5413154007225 (pred)	55.970000000000006 (actual)
Steering angle: 51.12535246594695 (pred)	0.0 (actual)
Steering angle: 57.333004044058896 (pred)	55.16 (actual)
Steering angle: 48.92982230819221 (pred)	53.85 (actual)
Steering angle: 38.95229562901592 (pred)	52.64 (actual)
Steering angle: 25.573426950727075 (pred)	50.82 (actual)
Steering angle: 20.724532224962456 (pred)	49.11 (actual)
Steering angle: 15.750395735481893 (pred)	47.5 (actual)
Steering angle: 13.464007840066696 (pred)	45.48 (actual)
Steering angle: 11.315662336645689 (pred)	43.76 (actual)
Steering angle: 10.598811785138048 (pred)	41.34 (actual)
Steering angle: 9.951570252782945 (pred)	39.830000000000005 (actual)
Steering angle: 8.996526245481219 (pred)	38.02 (actual)
Steering angle: 9.107772097814156 (pred)	36.2 (actual)
Steering angle: 7.651063502579686 (pred)	33.68 (actual)
Steering angle: 7.194881144330058 (pred)	31.26 (actual)
Steering angle: 5.07901447107293 (pred)	29.650000000000002 (actual)
Steering angle: 4.673987241498936 (pred)	28.54 (actual)

Steering angle: 5.307589312968346 (pred)	28.24 (actual)
Steering angle: 4.769825894611616 (pred)	28.24 (actual)
Steering angle: 3.541438570499625 (pred)	26.82 (actual)
Steering angle: 3.4165259365243164 (pred)	24.91 (actual)
Steering angle: 3.8336336363059473 (pred)	24.61 (actual)
Steering angle: 3.985100338226973 (pred)	24.61 (actual)
Steering angle: 3.9514885504345174 (pred)	24.1 (actual)
Steering angle: 4.27144406634871 (pred)	22.99 (actual)
Steering angle: 4.306907262293063 (pred)	22.89 (actual)
Steering angle: 4.063196294310076 (pred)	22.89 (actual)
Steering angle: 3.948550715317766 (pred)	21.98 (actual)
Steering angle: 4.2786473546021355 (pred)	20.67 (actual)
Steering angle: 4.909897706562945 (pred)	18.96 (actual)
Steering angle: 6.614338116767423 (pred)	16.34 (actual)
Steering angle: 6.406419047582595 (pred)	14.62 (actual)
Steering angle: 5.49235404086683 (pred)	12.709999999999999 (actual)
Steering angle: 4.985219325182553 (pred)	11.290000000000001 (actual)
Steering angle: 5.510688829920083 (pred)	9.88 (actual)
Steering angle: 5.461782967915499 (pred)	8.77 (actual)
Steering angle: 5.283859955131252 (pred)	8.17 (actual)
Steering angle: 5.053198490444397 (pred)	7.659999999999998 (actual)
Steering angle: 4.480041458695485 (pred)	7.26 (actual)
Steering angle: 4.304014677179563 (pred)	5.75 (actual)
Steering angle: 4.129697577390259 (pred)	4.64 (actual)
Steering angle: 3.874908896347158 (pred)	3.3299999999999996 (actual)
Steering angle: 3.6254656921032375 (pred)	2.52 (actual)
Steering angle: 3.0435320807142703 (pred)	2.02 (actual)
Steering angle: 2.75656104240595 (pred)	1.71 (actual)
Steering angle: 2.6650851726256155 (pred)	1.71 (actual)
Steering angle: 2.4351876219087445 (pred)	1.71 (actual)
Steering angle: -0.020481175999929484 (pred)	1.71 (actual)
Steering angle: -2.542478581268832 (pred)	1.6100000000000003 (actual)
Steering angle: -4.290925473408879 (pred)	1.51 (actual)
Steering angle: -5.921305288669263 (pred)	1.21 (actual)
Steering angle: -6.838266722479937 (pred)	0.71 (actual)
Steering angle: -8.430198549128672 (pred)	0.0 (actual)
Steering angle: -9.470642119170362 (pred)	-0.81 (actual)
Steering angle: -10.332189374471076 (pred)	-1.71 (actual)
Steering angle: -10.867378238397533 (pred)	-2.7200000000000006 (actual)
Steering angle: -11.581266195352681 (pred)	-3.3299999999999996 (actual)
Steering angle: -11.801801050821346 (pred)	-3.53 (actual)
Steering angle: -12.148019924754708 (pred)	-3.7300000000000004 (actual)
Steering angle: -12.452187031515592 (pred)	-3.829999999999999 (actual)
Steering angle: -12.24791485646073 (pred)	-3.9300000000000006 (actual)
Steering angle: -12.843225606782578 (pred)	-3.9300000000000006 (actual)
Steering angle: -11.362654038135377 (pred)	-3.7300000000000004 (actual)
Steering angle: -10.53591940326057 (pred)	-2.22 (actual)
Steering angle: -10.414947361549535 (pred)	-0.5 (actual)

Steering angle: -9.496914441812816 (pred)	0.71 (actual)
Steering angle: -9.538933765586734 (pred)	2.22 (actual)
Steering angle: -8.44779909284615 (pred)	2.62 (actual)
Steering angle: -7.991787489325772 (pred)	2.62 (actual)
Steering angle: -6.191663812812232 (pred)	2.62 (actual)
Steering angle: -5.597573105030876 (pred)	2.62 (actual)
Steering angle: -5.91195134460093 (pred)	2.22 (actual)
Steering angle: -6.77508064246815 (pred)	1.82 (actual)
Steering angle: -9.660073146932435 (pred)	1.21 (actual)
Steering angle: -11.744343791975906 (pred)	0.91 (actual)
Steering angle: -14.155868436948554 (pred)	0.61 (actual)
Steering angle: -15.098754707527657 (pred)	0.2 (actual)
Steering angle: -16.00851882950043 (pred)	-0.1 (actual)
Steering angle: -16.329554795963954 (pred)	-0.5 (actual)
Steering angle: -16.365235704188102 (pred)	-1.51 (actual)
Steering angle: -15.568244835601408 (pred)	-2.42 (actual)
Steering angle: -15.963559109288822 (pred)	-3.3299999999999996 (actual)
Steering angle: -15.747489489990054 (pred)	-4.24 (actual)
Steering angle: -16.829883228140314 (pred)	-5.45 (actual)
Steering angle: -18.447709155706214 (pred)	-6.55 (actual)
Steering angle: -19.271986630027108 (pred)	-8.17 (actual)
Steering angle: -19.142062771635125 (pred)	-9.28 (actual)
Steering angle: -19.051794991564236 (pred)	-11.19 (actual)
Steering angle: -19.340288521727235 (pred)	-12.5 (actual)
Steering angle: -20.157127920041987 (pred)	-14.02 (actual)
Steering angle: -19.240123797549 (pred)	-15.230000000000002 (actual)
Steering angle: -20.1169459171548 (pred)	-17.65 (actual)
Steering angle: -19.315290029364988 (pred)	-20.67 (actual)
Steering angle: -17.450644970856924 (pred)	-23.9 (actual)
Steering angle: -17.26302308945126 (pred)	-25.92 (actual)
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Steering angle: -20.22632798161797 (pred)	-29.55 (actual)
Steering angle: -21.00581990555109 (pred)	-30.96 (actual)
Steering angle: -19.67205471537685 (pred)	-33.08 (actual)
Steering angle: -17.46543916059917 (pred)	-34.39 (actual)
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Steering angle: -16.814016698698374 (pred)	-37.51 (actual)
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Steering angle: -16.736121806308965 (pred)	-39.53 (actual)
Steering angle: -16.291104246031367 (pred)	-40.13 (actual)
Steering angle: -16.34751819348109 (pred)	-40.54 (actual)
Steering angle: -14.798752308613187 (pred)	-41.04 (actual)
Steering angle: -14.37415018376476 (pred)	-41.549999999999999 (actual)
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Steering angle: -16.292343925365724 (pred)	-43.46 (actual)
Steering angle: -16.734363032597685 (pred)	-44.27 (actual)
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Steering angle: -12.770695827986213 (pred)	-45.68 (actual)

Steering angle: -11.634225774629668 (pred)	-47.09 (actual)
Steering angle: -8.841875394746499 (pred)	-48.3 (actual)
Steering angle: -7.739072197582593 (pred)	-49.11 (actual)
Steering angle: -4.97572877733082 (pred)	-49.82 (actual)
Steering angle: -5.455997797688498 (pred)	-50.02 (actual)
Steering angle: -5.1008382061315904 (pred)	-50.02 (actual)
Steering angle: -3.2304732910804614 (pred)	-50.02 (actual)
Steering angle: -2.8853929243043765 (pred)	-50.02 (actual)
Steering angle: -2.1389104508562817 (pred)	-49.71 (actual)
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Steering angle: -1.6059431059573706 (pred)	-48.400000000000006 (actual)
Steering angle: -1.7936204826500421 (pred)	-48.2 (actual)
Steering angle: -2.5492323576975053 (pred)	-47.89999999999999 (actual)
Steering angle: -3.096861557423495 (pred)	-47.28999999999999 (actual)
Steering angle: -2.6351851657602383 (pred)	-46.79 (actual)
Steering angle: -2.7988561350676076 (pred)	-46.59 (actual)
Steering angle: -2.352349593550949 (pred)	-46.59 (actual)
Steering angle: -2.9072597749321725 (pred)	-46.59 (actual)
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Steering angle: -4.4175563268472695 (pred)	-46.59 (actual)
Steering angle: -5.646385051934372 (pred)	0.0 (actual)
Steering angle: -6.005223554132979 (pred)	-46.59 (actual)
Steering angle: -7.756017043139748 (pred)	-46.59 (actual)
Steering angle: -8.022214274530887 (pred)	-46.59 (actual)
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Steering angle: -9.331596543141828 (pred)	-46.59 (actual)
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Steering angle: -8.573837427374041 (pred)	-46.59 (actual)
Steering angle: -8.22170104829851 (pred)	-46.59 (actual)
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Steering angle: -2.9156924972361993 (pred)	-46.59 (actual)
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Steering angle: -0.8641559606768364 (pred)	-46.59 (actual)
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Steering angle: -3.840232879704649 (pred)	-46.49 (actual)
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Steering angle: -12.693494199797557 (pred)	-43.76 (actual)
Steering angle: -13.998868001139348 (pred)	-43.36 (actual)
Steering angle: -16.41093991501924 (pred)	-43.16 (actual)

Steering angle: -17.923362363313505 (pred)	-43.16 (actual)
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Steering angle: -21.543512887582004 (pred)	-43.16 (actual)
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Steering angle: -14.290901276839705 (pred)	-43.06 (actual)
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Steering angle: -11.904822501619941 (pred)	-43.06 (actual)
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Steering angle: -11.552953353695687 (pred)	-38.42 (actual)
Steering angle: -11.28100937189163 (pred)	-37.82 (actual)
Steering angle: -11.36346170800473 (pred)	-37.31 (actual)
Steering angle: -11.04557958139046 (pred)	-36.71 (actual)
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Steering angle: -8.8367843424939 (pred)	0.0 (actual)
Steering angle: -8.202546636544856 (pred)	-36.5 (actual)
Steering angle: -5.194350326058235 (pred)	-36.40000000000006 (actual)
Steering angle: -5.199329533963174 (pred)	-36.40000000000006 (actual)
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Steering angle: -5.533615213642877 (pred)	-36.1 (actual)
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Steering angle: -2.759645299703034 (pred)	-35.9 (actual)
Steering angle: -3.151203396233763 (pred)	-35.9 (actual)
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Steering angle: -2.5439731120365954 (pred)	-35.8 (actual)
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Steering angle: -4.145387802574247 (pred)	-35.8 (actual)
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Steering angle: -23.278592672629514 (pred)	-25.41 (actual)
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Steering angle: -16.518307073677256 (pred)	-25.71 (actual)
Steering angle: -16.61077417466089 (pred)	-25.71 (actual)
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Steering angle: -20.31740855420009 (pred)	-25.71 (actual)
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Steering angle: -12.4330983603327 (pred)	-25.71 (actual)
Steering angle: -8.768642106465622 (pred)	-26.02 (actual)
Steering angle: -6.804702319124848 (pred)	-26.02 (actual)
Steering angle: -6.811895362094518 (pred)	-26.02 (actual)
Steering angle: -8.551152661593136 (pred)	-25.92 (actual)
Steering angle: -5.4493375094740895 (pred)	-25.92 (actual)
Steering angle: -4.964565686906081 (pred)	-26.12 (actual)
Steering angle: -5.916550623233288 (pred)	-26.12 (actual)
Steering angle: -5.819345078512959 (pred)	-25.92 (actual)
Steering angle: -3.5820559979463984 (pred)	-25.71 (actual)
Steering angle: -1.8765236112483645 (pred)	-25.71 (actual)
Steering angle: -1.344770332474423 (pred)	0.0 (actual)
Steering angle: -2.2780140834927614 (pred)	-25.210000000000004 (actual)
Steering angle: -1.8261206571550785 (pred)	-23.799999999999997 (actual)
Steering angle: -1.9395474742673646 (pred)	-22.59 (actual)
Steering angle: -1.4724999925955389 (pred)	-21.78 (actual)
Steering angle: -1.6315277139277689 (pred)	-21.28 (actual)
Steering angle: -1.5411156461106639 (pred)	-20.77 (actual)

Steering angle: -1.691541171070086 (pred)	-20.07 (actual)
Steering angle: -1.8786823779129116 (pred)	-19.26 (actual)
Steering angle: -1.4094663111796069 (pred)	-18.25 (actual)
Steering angle: -1.4193436184930917 (pred)	-16.54 (actual)
Steering angle: -1.5778659058267406 (pred)	-14.32 (actual)
Steering angle: -1.7875710694795266 (pred)	-12.4 (actual)
Steering angle: -1.918373034066679 (pred)	-10.389999999999999 (actual)
Steering angle: -2.0600204852821653 (pred)	-9.28 (actual)
Steering angle: -2.134916070852294 (pred)	-8.67 (actual)
Steering angle: -2.0538015980428685 (pred)	-8.67 (actual)
Steering angle: -1.9936400111729269 (pred)	0.0 (actual)
Steering angle: -2.2333262901874837 (pred)	-8.37 (actual)
Steering angle: -2.198303214557774 (pred)	-8.27 (actual)
Steering angle: -3.262649458486745 (pred)	-8.27 (actual)
Steering angle: -3.810127967164172 (pred)	-8.27 (actual)
Steering angle: -4.001374117698175 (pred)	-8.27 (actual)
Steering angle: -4.2272185914728775 (pred)	-8.27 (actual)
Steering angle: -6.046378005203244 (pred)	-8.27 (actual)
Steering angle: -5.543871596455297 (pred)	-8.27 (actual)
Steering angle: -4.953716785183162 (pred)	-8.17 (actual)
Steering angle: -3.3100906718011847 (pred)	-7.969999999999999 (actual)
Steering angle: -2.8760133670266566 (pred)	-7.969999999999999 (actual)
Steering angle: -1.8223982040574216 (pred)	-7.969999999999999 (actual)
Steering angle: -0.9232878965293987 (pred)	-7.969999999999999 (actual)
Steering angle: -0.49525530917033206 (pred)	-7.969999999999999 (actual)
Steering angle: -0.8336437981070969 (pred)	-9.28 (actual)
Steering angle: -0.8884868020477144 (pred)	-9.78 (actual)
Steering angle: -0.9226300639349618 (pred)	-9.88 (actual)
Steering angle: -0.7877180330147543 (pred)	-10.08 (actual)
Steering angle: -0.7941196278143487 (pred)	-10.49 (actual)
Steering angle: -0.7778979285355685 (pred)	-10.89 (actual)
Steering angle: -0.9887569672712634 (pred)	-10.89 (actual)
Steering angle: -1.2145301509465043 (pred)	-10.89 (actual)
Steering angle: -1.2278989655863348 (pred)	-10.89 (actual)
Steering angle: -1.3297140342227762 (pred)	-10.99 (actual)
Steering angle: -1.6913162017142986 (pred)	-10.99 (actual)
Steering angle: -2.041488474516628 (pred)	0.0 (actual)
Steering angle: -1.9549717489605458 (pred)	-10.389999999999999 (actual)
Steering angle: -0.902425937483241 (pred)	-10.29 (actual)
Steering angle: -0.1298867192383706 (pred)	-10.18 (actual)
Steering angle: -0.012956015081867937 (pred)	-10.08 (actual)
Steering angle: 0.043365724814057205 (pred)	-9.58 (actual)
Steering angle: 0.08508452026449509 (pred)	-9.08 (actual)
Steering angle: 0.1200066371605356 (pred)	-8.469999999999999 (actual)
Steering angle: 0.19823919702703852 (pred)	-8.17 (actual)
Steering angle: 0.2504880097435204 (pred)	-7.969999999999999 (actual)
Steering angle: 0.29219741368384955 (pred)	-7.36 (actual)
Steering angle: 0.3328500592935308 (pred)	-6.35 (actual)



Steering angle: 0.3900601506683807 (pred)	-4.34 (actual)
Steering angle: 0.5025486705434363 (pred)	-2.62 (actual)
Steering angle: 0.5541227886359679 (pred)	-2.02 (actual)
Steering angle: 0.5887219656503138 (pred)	-1.71 (actual)
Steering angle: 0.7951827894473436 (pred)	-1.6100000000000003 (actual)
Steering angle: 0.826683835342854 (pred)	-1.41 (actual)
Steering angle: 0.809188946114101 (pred)	-1.31 (actual)
Steering angle: 0.9171142592933533 (pred)	-1.31 (actual)
Steering angle: 1.1864459071832927 (pred)	-1.21 (actual)
Steering angle: 1.7318721574585418 (pred)	-1.21 (actual)
Steering angle: 1.8967510030319457 (pred)	-1.21 (actual)
Steering angle: 2.002556609690967 (pred)	-0.91 (actual)
Steering angle: 2.2686116877700044 (pred)	-0.61 (actual)
Steering angle: 2.4716721445774255 (pred)	-0.61 (actual)
Steering angle: 2.862873577167433 (pred)	-0.4 (actual)
Steering angle: 2.633597573665033 (pred)	-0.2 (actual)
Steering angle: 3.0543231392726558 (pred)	-0.1 (actual)
Steering angle: 3.7609087702314135 (pred)	0.1 (actual)
Steering angle: 3.602161086655154 (pred)	0.4 (actual)
Steering angle: 4.198565521017851 (pred)	1.01 (actual)
Steering angle: 4.049067621125081 (pred)	1.71 (actual)
Steering angle: 4.094687308365243 (pred)	2.42 (actual)
Steering angle: 4.432753070863725 (pred)	3.03 (actual)
Steering angle: 3.1037899305628267 (pred)	3.13 (actual)
Steering angle: 2.7366614997025294 (pred)	3.23 (actual)
Steering angle: 2.2143285458979163 (pred)	3.4300000000000006 (actual)
Steering angle: 1.9548908539075636 (pred)	3.7300000000000004 (actual)
Steering angle: 1.846075481702094 (pred)	3.8299999999999999 (actual)
Steering angle: 1.7451380923739992 (pred)	3.8299999999999999 (actual)
Steering angle: 1.9534627040407961 (pred)	3.8299999999999999 (actual)
Steering angle: 1.6292532609341548 (pred)	3.8299999999999999 (actual)
Steering angle: 1.0258472423419598 (pred)	3.7300000000000004 (actual)
Steering angle: 1.0298051235225707 (pred)	3.63 (actual)
Steering angle: 0.9456157849261704 (pred)	3.3299999999999996 (actual)
Steering angle: 0.7628149498574762 (pred)	3.23 (actual)
Steering angle: 0.5525635845145009 (pred)	3.23 (actual)
Steering angle: 0.2950152936033029 (pred)	3.03 (actual)
Steering angle: 0.22551662469454226 (pred)	2.52 (actual)
Steering angle: 0.441241319440225 (pred)	2.42 (actual)
Steering angle: -0.21891780818266368 (pred)	2.32 (actual)
Steering angle: -2.380685487096393 (pred)	2.22 (actual)
Steering angle: -0.8896146370344127 (pred)	2.22 (actual)
Steering angle: 1.7290640959360204 (pred)	2.52 (actual)
Steering angle: 2.2816398467249805 (pred)	2.7200000000000006 (actual)
Steering angle: 0.6070258054088901 (pred)	2.7200000000000006 (actual)
Steering angle: 0.33534905475610916 (pred)	2.7200000000000006 (actual)
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Steering angle: -0.10992164940760021 (pred)	3.03 (actual)
Steering angle: -0.21144216613608474 (pred)	3.03 (actual)
Steering angle: 0.2212407128307027 (pred)	3.03 (actual)
Steering angle: 0.3374089971211027 (pred)	3.03 (actual)
Steering angle: 0.43802494067138364 (pred)	3.03 (actual)
Steering angle: 0.2837352361890269 (pred)	3.03 (actual)
Steering angle: 0.3013607527856563 (pred)	3.03 (actual)
Steering angle: 0.17925383245534182 (pred)	3.03 (actual)
Steering angle: 0.23012636205406617 (pred)	3.03 (actual)
Steering angle: 0.17084010661494392 (pred)	3.03 (actual)
Steering angle: 0.23449063949029275 (pred)	3.13 (actual)
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Steering angle: 0.12126958182675326 (pred)	8.570000000000002 (actual)
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Steering angle: 0.49754171499499383 (pred)	9.28 (actual)
Steering angle: 0.48170079876244176 (pred)	9.68 (actual)
Steering angle: 0.32677844800821254 (pred)	9.78 (actual)
Steering angle: 0.22710378990292396 (pred)	9.78 (actual)
Steering angle: -0.056089940350967836 (pred)	9.78 (actual)
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Steering angle: -0.18217950129763447 (pred)	9.88 (actual)
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Steering angle: 0.4662754568522027 (pred)	9.28 (actual)
Steering angle: 0.3409792650663153 (pred)	9.08 (actual)
Steering angle: 0.5892090435155003 (pred)	9.08 (actual)
Steering angle: 0.439261204911156 (pred)	9.08 (actual)
Steering angle: 0.3875513368088704 (pred)	8.87 (actual)
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Steering angle: 1.0645558453591262 (pred)	11.19 (actual)
Steering angle: 0.9723162750522195 (pred)	11.6 (actual)
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Steering angle: 0.7336805645093754 (pred)	13.41 (actual)
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Steering angle: 0.6797395724260227 (pred)	13.610000000000001 (actual)
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Steering angle: 0.9753441832886508 (pred)	13.11 (actual)
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Steering angle: 1.0384286642365348 (pred)	12.81 (actual)
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Steering angle: 1.7644259062598806 (pred)	9.18 (actual)
Steering angle: 1.7691255032956723 (pred)	9.18 (actual)
Steering angle: 1.8172044855238616 (pred)	8.97 (actual)
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Steering angle: 2.1831660212531445 (pred)	8.77 (actual)
Steering angle: 1.411909384468356 (pred)	8.67 (actual)
Steering angle: 1.3112951484653674 (pred)	8.37 (actual)
Steering angle: 2.0885365250669685 (pred)	7.87 (actual)
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Steering angle: 2.155714637205217 (pred)	6.55 (actual)
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Steering angle: 7.258894531005064 (pred)	11.39 (actual)
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Steering angle: 9.72573773183929 (pred)	11.089999999999998 (actual)
Steering angle: 4.683336916699037 (pred)	10.79 (actual)
Steering angle: 3.2027965107899234 (pred)	10.79 (actual)
Steering angle: 3.6747083678112675 (pred)	10.79 (actual)
Steering angle: 4.550093586370428 (pred)	10.79 (actual)
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Steering angle: 3.271633505122839 (pred)	6.150000000000001 (actual)
Steering angle: 2.747563335391516 (pred)	3.9300000000000006 (actual)
Steering angle: 2.535790118524097 (pred)	3.23 (actual)
Steering angle: 3.1074709756386407 (pred)	4.03 (actual)
Steering angle: 2.882326596253864 (pred)	4.34 (actual)
Steering angle: 3.085721092000381 (pred)	4.44 (actual)
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Steering angle: 1.6635305652838637 (pred)	8.37 (actual)
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Steering angle: 2.298251080229863 (pred)	13.610000000000001 (actual)
Steering angle: 1.8683286649048185 (pred)	13.610000000000001 (actual)
Steering angle: 2.282793935251301 (pred)	13.51 (actual)
Steering angle: 3.6209820997999476 (pred)	14.12 (actual)
Steering angle: 4.952637615294299 (pred)	15.030000000000001 (actual)
Steering angle: 5.523314861487674 (pred)	15.230000000000002 (actual)
Steering angle: 7.356898354084638 (pred)	15.230000000000002 (actual)
Steering angle: 8.22542947781169 (pred)	15.13 (actual)
Steering angle: 9.678950936024703 (pred)	15.13 (actual)
Steering angle: 10.370340249853829 (pred)	15.230000000000002 (actual)
Steering angle: 9.128640887049484 (pred)	15.33 (actual)
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Steering angle: 4.888115379526128 (pred)	15.63 (actual)
Steering angle: 4.4573101622508595 (pred)	15.63 (actual)
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Steering angle: 1.972387450683609 (pred)	15.63 (actual)

Steering angle: 1.6591127135513348 (pred)	15.53 (actual)
Steering angle: 1.2416225231761828 (pred)	15.33 (actual)
Steering angle: 1.1872394897874836 (pred)	15.030000000000001 (actual)
Steering angle: 1.3520820499809216 (pred)	14.72 (actual)
Steering angle: 0.9889454378036734 (pred)	14.22 (actual)
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Steering angle: 0.6833450585341432 (pred)	13.82 (actual)
Steering angle: 0.6782595558102456 (pred)	14.12 (actual)
Steering angle: 0.8538989375341813 (pred)	14.32 (actual)
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Steering angle: 2.172998644343346 (pred)	14.62 (actual)
Steering angle: 2.011138102052853 (pred)	14.82 (actual)
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Steering angle: 2.6440191616780035 (pred)	14.72 (actual)
Steering angle: 2.692045209940125 (pred)	0.0 (actual)
Steering angle: 2.4486065957502925 (pred)	14.72 (actual)
Steering angle: 2.3969571321334793 (pred)	14.72 (actual)
Steering angle: 2.6674099982643584 (pred)	14.72 (actual)
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Steering angle: 2.35198097677918 (pred)	14.72 (actual)
Steering angle: 2.1557731206999855 (pred)	14.72 (actual)
Steering angle: 1.9428306608240251 (pred)	15.13 (actual)
Steering angle: 1.9501212474327791 (pred)	15.230000000000002 (actual)
Steering angle: 2.3668517927061785 (pred)	15.230000000000002 (actual)
Steering angle: 2.6085717605461065 (pred)	15.43 (actual)
Steering angle: 2.589523003281176 (pred)	15.53 (actual)
Steering angle: 2.352963456802604 (pred)	15.53 (actual)
Steering angle: 2.1788659902837986 (pred)	15.43 (actual)
Steering angle: 1.9895886417780515 (pred)	15.43 (actual)
Steering angle: 1.5743009739668172 (pred)	15.53 (actual)
Steering angle: 1.5545657826902999 (pred)	15.53 (actual)
Steering angle: 1.6872823346791714 (pred)	15.63 (actual)
Steering angle: 1.7153403249027608 (pred)	15.63 (actual)
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Steering angle: 2.4506641902377586 (pred)	15.63 (actual)
Steering angle: 2.2539876124267724 (pred)	15.53 (actual)
Steering angle: 2.1913727069843265 (pred)	15.53 (actual)

Steering angle: 2.2635592687748987 (pred)	15.43 (actual)
Steering angle: 2.5236684537380287 (pred)	15.33 (actual)
Steering angle: 3.0294586893728708 (pred)	15.33 (actual)
Steering angle: 3.048492719042404 (pred)	15.33 (actual)
Steering angle: 3.0244510934941933 (pred)	15.53 (actual)
Steering angle: 3.3870724532759287 (pred)	16.64 (actual)
Steering angle: 3.0816225516115505 (pred)	18.45 (actual)
Steering angle: 2.97020274289819 (pred)	19.97 (actual)
Steering angle: 3.2676051876164127 (pred)	20.469999999999995 (actual)
Steering angle: 3.2790617627320513 (pred)	21.079999999999995 (actual)
Steering angle: 3.1427535984568107 (pred)	21.98 (actual)
Steering angle: 3.5846463471891257 (pred)	22.49 (actual)
Steering angle: 3.7682379900976604 (pred)	22.59 (actual)
Steering angle: 4.835758137556572 (pred)	22.59 (actual)
Steering angle: 7.032827649195513 (pred)	22.89 (actual)
Steering angle: 9.625151243479806 (pred)	23.5 (actual)
Steering angle: 9.777061480810058 (pred)	23.9 (actual)
Steering angle: 8.580191210849446 (pred)	23.9 (actual)
Steering angle: 7.551330787866452 (pred)	23.9 (actual)
Steering angle: 8.414458378186378 (pred)	23.9 (actual)
Steering angle: 8.9913831130362 (pred)	23.9 (actual)
Steering angle: 10.310751118213698 (pred)	23.9 (actual)
Steering angle: 11.162520103943894 (pred)	23.9 (actual)
Steering angle: 10.622545838730195 (pred)	23.9 (actual)
Steering angle: 10.247568453296497 (pred)	24.900000000000002 (actual)
Steering angle: 9.762761626008992 (pred)	24.0 (actual)
Steering angle: 8.941144510369817 (pred)	24.0 (actual)
Steering angle: 9.065354061747437 (pred)	24.0 (actual)
Steering angle: 8.2741475096141 (pred)	24.0 (actual)
Steering angle: 7.351226735752589 (pred)	24.0 (actual)
Steering angle: 6.7351120829925275 (pred)	24.0 (actual)
Steering angle: 6.704316467572232 (pred)	24.5 (actual)
Steering angle: 4.305772170230371 (pred)	24.91 (actual)
Steering angle: 2.750820268408554 (pred)	25.210000000000004 (actual)
Steering angle: 4.024058029705434 (pred)	25.71 (actual)
Steering angle: 5.187912872765498 (pred)	26.22 (actual)
Steering angle: 6.26419401849542 (pred)	26.520000000000003 (actual)
Steering angle: 6.4935927519594685 (pred)	27.33 (actual)
Steering angle: 6.127681161988491 (pred)	28.34 (actual)
Steering angle: 5.331665302905817 (pred)	29.04 (actual)
Steering angle: 5.16613182638915 (pred)	0.0 (actual)
Steering angle: 4.3730900878031935 (pred)	28.939999999999998 (actual)
Steering angle: 4.445963937378998 (pred)	29.450000000000003 (actual)
Steering angle: 6.989636521092113 (pred)	30.149999999999995 (actual)
Steering angle: 7.994517857446485 (pred)	30.76 (actual)
Steering angle: 7.522497144285244 (pred)	30.86 (actual)
Steering angle: 6.046650785883221 (pred)	30.96 (actual)
Steering angle: 2.6520100561200954 (pred)	30.96 (actual)

Steering angle: 2.9534303596175775 (pred)	31.26 (actual)
Steering angle: -4.0900598552025595 (pred)	31.87 (actual)
Steering angle: -4.270965099333163 (pred)	32.67 (actual)
Steering angle: -6.199399855820917 (pred)	33.48 (actual)
Steering angle: -7.145509121914621 (pred)	34.08 (actual)
Steering angle: -7.831813359906672 (pred)	34.69 (actual)
Steering angle: -6.376082335497161 (pred)	35.19 (actual)
Steering angle: 5.5036784945107105 (pred)	35.39 (actual)
Steering angle: 10.170064589237068 (pred)	35.39 (actual)
Steering angle: 10.69994554240478 (pred)	35.39 (actual)
Steering angle: 11.50242873685781 (pred)	35.39 (actual)
Steering angle: 12.07544489595509 (pred)	35.5 (actual)
Steering angle: 12.662070206973622 (pred)	35.9 (actual)
Steering angle: 13.156477718913226 (pred)	36.0 (actual)
Steering angle: 13.153299119628231 (pred)	36.1 (actual)
Steering angle: 12.37929013005134 (pred)	36.1 (actual)
Steering angle: 12.459416786752051 (pred)	36.1 (actual)
Steering angle: 12.36996521428698 (pred)	36.1 (actual)
Steering angle: 11.541789409497301 (pred)	36.1 (actual)
Steering angle: 12.023076981814956 (pred)	36.1 (actual)
Steering angle: 10.806219017021947 (pred)	36.1 (actual)
Steering angle: 9.706523555930398 (pred)	36.1 (actual)
Steering angle: 6.720092497007669 (pred)	36.1 (actual)
Steering angle: 7.490212547625886 (pred)	36.0 (actual)
Steering angle: 5.714161019068409 (pred)	35.39 (actual)
Steering angle: 4.621285501863118 (pred)	34.18 (actual)
Steering angle: 4.213992357031971 (pred)	33.48 (actual)
Steering angle: 3.9821155455596777 (pred)	32.57 (actual)
Steering angle: 3.863843563004914 (pred)	31.460000000000004 (actual)
Steering angle: 3.7675272235371557 (pred)	28.840000000000003 (actual)
Steering angle: 3.403195114811744 (pred)	27.43 (actual)
Steering angle: 2.5981629791378302 (pred)	25.92 (actual)
Steering angle: 2.2851200415505133 (pred)	24.11 (actual)
Steering angle: 2.0602224027495035 (pred)	24.1 (actual)
Steering angle: 1.9496213629628987 (pred)	23.7 (actual)
Steering angle: 1.9873408692108825 (pred)	23.29 (actual)
Steering angle: 1.9580165192264907 (pred)	22.69 (actual)
Steering angle: 1.9505852734095168 (pred)	21.88 (actual)
Steering angle: 1.740390684014017 (pred)	20.67 (actual)
Steering angle: 1.8330084760462133 (pred)	19.36 (actual)
Steering angle: 2.0296432189485336 (pred)	17.65 (actual)
Steering angle: 2.1722639721207466 (pred)	16.64 (actual)
Steering angle: 2.204944292865142 (pred)	16.24 (actual)
Steering angle: 2.1120878710988187 (pred)	16.24 (actual)
Steering angle: 1.8838297792261625 (pred)	16.24 (actual)
Steering angle: 1.6392246967921387 (pred)	16.24 (actual)
Steering angle: 1.2964249728686035 (pred)	16.24 (actual)
Steering angle: 1.146576812337459 (pred)	16.13 (actual)

Steering angle: 1.2246185537940246 (pred)	15.929999999999998 (actual)
Steering angle: 1.0966669125248834 (pred)	15.929999999999998 (actual)
Steering angle: 0.6932033693839988 (pred)	15.83 (actual)
Steering angle: 0.4811338930613307 (pred)	15.33 (actual)
Steering angle: 0.3234282402203213 (pred)	14.32 (actual)
Steering angle: 0.28500970679946896 (pred)	13.01 (actual)
Steering angle: 0.21779040008278847 (pred)	11.699999999999998 (actual)
Steering angle: 0.5118319648425415 (pred)	11.19 (actual)
Steering angle: 0.5709722249881547 (pred)	11.089999999999998 (actual)
Steering angle: 0.624517279543058 (pred)	10.89 (actual)
Steering angle: 0.6789097044418662 (pred)	10.18 (actual)
Steering angle: 0.7957616479795021 (pred)	9.18 (actual)
Steering angle: 1.0580620430057366 (pred)	8.07 (actual)
Steering angle: 0.9471950527283243 (pred)	7.659999999999998 (actual)
Steering angle: 0.2996958941754657 (pred)	7.659999999999998 (actual)
Steering angle: 0.10396465723429127 (pred)	6.96 (actual)
Steering angle: -0.21753896374396736 (pred)	5.04 (actual)
Steering angle: -0.3249022804205747 (pred)	3.03 (actual)
Steering angle: -0.07833202449629123 (pred)	0.81 (actual)
Steering angle: 0.17466650665403202 (pred)	0.0 (actual)
Steering angle: -0.7541783890954067 (pred)	-4.13 (actual)
Steering angle: -0.5618705710322895 (pred)	-5.24 (actual)
Steering angle: -1.1815544245205059 (pred)	-5.849999999999999 (actual)
Steering angle: -1.2045239238124354 (pred)	-6.150000000000001 (actual)
Steering angle: -1.1492070754981485 (pred)	-6.150000000000001 (actual)
Steering angle: -1.6310683837060855 (pred)	-6.35 (actual)
Steering angle: -1.5666558578514573 (pred)	-7.36 (actual)
Steering angle: -5.420303229086011 (pred)	-8.67 (actual)
Steering angle: -7.468147621512159 (pred)	-9.48 (actual)
Steering angle: -10.532281473753892 (pred)	-10.08 (actual)
Steering angle: -9.744184365240203 (pred)	-11.290000000000001 (actual)
Steering angle: -8.447313295641433 (pred)	-12.4 (actual)
Steering angle: -7.893690604918756 (pred)	-13.41 (actual)
Steering angle: -8.290166864538717 (pred)	-14.32 (actual)
Steering angle: -10.154618970202732 (pred)	-15.230000000000002 (actual)
Steering angle: -12.85311913579534 (pred)	-16.54 (actual)
Steering angle: -13.122249079661353 (pred)	-18.35 (actual)
Steering angle: -13.500708154024467 (pred)	-19.56 (actual)
Steering angle: -14.466313341330327 (pred)	-20.57 (actual)
Steering angle: -13.492617794952588 (pred)	-21.38 (actual)
Steering angle: -13.157474072758403 (pred)	-22.89 (actual)
Steering angle: -12.06370806964007 (pred)	-23.799999999999997 (actual)
Steering angle: -10.506930372875743 (pred)	-25.210000000000004 (actual)
Steering angle: -11.016057796250372 (pred)	-27.130000000000003 (actual)
Steering angle: -10.91631312870609 (pred)	-28.13 (actual)
Steering angle: -10.958481009094458 (pred)	-28.34 (actual)
Steering angle: -7.21566455620076 (pred)	-28.44 (actual)
Steering angle: -6.160163834133779 (pred)	-28.840000000000003 (actual)



Steering angle: -6.209958474504111 (pred)	-29.450000000000003 (actual)
Steering angle: -5.954027017435502 (pred)	-30.35 (actual)
Steering angle: -5.644651891432481 (pred)	-31.460000000000004 (actual)
Steering angle: -4.675500128400094 (pred)	-32.57 (actual)
Steering angle: -4.830803262200551 (pred)	-33.78 (actual)
Steering angle: -4.452870966177174 (pred)	-34.890000000000001 (actual)
Steering angle: -4.802452000729474 (pred)	-36.5 (actual)
Steering angle: -5.189013386995516 (pred)	-37.31 (actual)
Steering angle: -4.67083852429156 (pred)	-38.120000000000005 (actual)
Steering angle: -3.590521163648983 (pred)	-38.32 (actual)
Steering angle: -2.5177101809042504 (pred)	-38.81999999999999 (actual)
Steering angle: -1.9787954487855504 (pred)	-39.13 (actual)
Steering angle: -1.7153785312734304 (pred)	-40.030000000000001 (actual)
Steering angle: -2.2311777688066914 (pred)	-40.93999999999999 (actual)
Steering angle: -2.234673545001269 (pred)	-42.66 (actual)
Steering angle: -1.7387253985170035 (pred)	-44.07 (actual)
Steering angle: -0.7301476491611862 (pred)	-45.68 (actual)
Steering angle: -0.30275709958410085 (pred)	-46.69 (actual)
Steering angle: -0.1138400435570719 (pred)	-48.2 (actual)
Steering angle: 0.4813291937829108 (pred)	-49.11 (actual)
Steering angle: -0.28590702290167935 (pred)	-50.32 (actual)
Steering angle: -0.617212605669141 (pred)	-51.13 (actual)
Steering angle: -0.3807241358466195 (pred)	-51.93 (actual)
Steering angle: -2.003682096800138 (pred)	-52.740000000000001 (actual)
Steering angle: -2.105648283371966 (pred)	-53.24 (actual)
Steering angle: -1.370550881496636 (pred)	-53.75 (actual)
Steering angle: -0.15281267607434154 (pred)	-54.35 (actual)
Steering angle: 1.2121615694083907 (pred)	-54.86 (actual)
Steering angle: 1.384780940302123 (pred)	-55.26 (actual)
Steering angle: 0.9896423305424262 (pred)	-55.46 (actual)
Steering angle: 0.6338005738421633 (pred)	-55.56 (actual)
Steering angle: -0.1970893773689492 (pred)	-55.660000000000004 (actual)
Steering angle: -1.9080551795517282 (pred)	-55.76 (actual)
Steering angle: -3.0633966186981945 (pred)	-55.970000000000006 (actual)
Steering angle: -5.006763449372066 (pred)	-56.57 (actual)
Steering angle: -5.075560529787019 (pred)	-56.97 (actual)
Steering angle: -8.640259309505122 (pred)	-57.380000000000001 (actual)
Steering angle: -8.509145290650265 (pred)	-58.08 (actual)
Steering angle: -7.477581820303239 (pred)	-59.19 (actual)
Steering angle: -7.336434253557633 (pred)	-60.5 (actual)
Steering angle: -6.511971510355504 (pred)	-61.70999999999999 (actual)
Steering angle: -5.68074004968589 (pred)	-63.32999999999999 (actual)
Steering angle: -4.940059821937721 (pred)	-65.14 (actual)
Steering angle: -4.886424053932903 (pred)	-66.76 (actual)
Steering angle: -7.718946191419504 (pred)	-68.67 (actual)
Steering angle: -8.401499801783572 (pred)	-70.49 (actual)
Steering angle: -7.623099854344008 (pred)	-71.6 (actual)
Steering angle: -8.56899311570521 (pred)	-72.71 (actual)

Steering angle: -9.571891135879339 (pred)	-73.31 (actual)
Steering angle: -10.282136894459576 (pred)	-74.21999999999998 (actual)
Steering angle: -14.344459351442714 (pred)	-74.92000000000002 (actual)
Steering angle: -12.140134471357928 (pred)	-75.53000000000002 (actual)
Steering angle: -11.799830541245797 (pred)	0.0 (actual)
Steering angle: -11.709419327202339 (pred)	-75.83 (actual)
Steering angle: -10.926073469030039 (pred)	-75.83 (actual)
Steering angle: -11.567979769869714 (pred)	-75.83 (actual)
Steering angle: -11.338118291089398 (pred)	-75.83 (actual)
Steering angle: -12.188517823891006 (pred)	-75.83 (actual)
Steering angle: -10.922298081966314 (pred)	-75.23 (actual)
Steering angle: -13.710534980421844 (pred)	-74.52 (actual)
Steering angle: -13.2668954108093 (pred)	-73.81999999999998 (actual)
Steering angle: -12.577077040489275 (pred)	-73.71 (actual)
Steering angle: -11.469698470355109 (pred)	-73.61 (actual)
Steering angle: -10.725083199871365 (pred)	-72.91 (actual)
Steering angle: -10.499413749694146 (pred)	-71.5 (actual)
Steering angle: -10.063317270246232 (pred)	-69.27999999999999 (actual)
Steering angle: -8.185796451379046 (pred)	-67.26 (actual)
Steering angle: -8.194187338774405 (pred)	-66.35 (actual)
Steering angle: -8.320891616746374 (pred)	-64.94 (actual)
Steering angle: -10.959006933660548 (pred)	-63.52999999999999 (actual)
Steering angle: -17.423617912311183 (pred)	-62.62000000000005 (actual)
Steering angle: -18.587529958205547 (pred)	-61.509999999999984 (actual)
Steering angle: -22.290076469526493 (pred)	-60.5 (actual)
Steering angle: -23.298226051398714 (pred)	-59.38999999999999 (actual)
Steering angle: -24.72038071962209 (pred)	-58.290000000000006 (actual)
Steering angle: -23.690763853188518 (pred)	-55.970000000000006 (actual)
Steering angle: -21.951466426328526 (pred)	-53.95 (actual)
Steering angle: -19.543138309887443 (pred)	-52.44 (actual)
Steering angle: -17.859103943602026 (pred)	-51.03000000000001 (actual)
Steering angle: -18.57294750432757 (pred)	-49.82 (actual)
Steering angle: -20.17597241196205 (pred)	-48.3 (actual)
Steering angle: -18.582687354084005 (pred)	-47.28999999999999 (actual)
Steering angle: -15.440977920796561 (pred)	-46.29 (actual)
Steering angle: -14.506686589514272 (pred)	-45.57999999999999 (actual)
Steering angle: -14.574107386811468 (pred)	-44.66999999999995 (actual)
Steering angle: -16.143637046756208 (pred)	-43.86999999999999 (actual)
Steering angle: -15.211872885466823 (pred)	-42.86 (actual)
Steering angle: -15.10027783971257 (pred)	-41.34 (actual)
Steering angle: -10.78077656236365 (pred)	-39.53 (actual)
Steering angle: -8.823927365154997 (pred)	-38.02 (actual)
Steering angle: -6.152975913805987 (pred)	-36.29999999999999 (actual)
Steering angle: -7.280197891026334 (pred)	-35.09000000000001 (actual)
Steering angle: -13.652227363024737 (pred)	-34.18 (actual)
Steering angle: -17.704598234387166 (pred)	-34.08 (actual)
Steering angle: -19.164738999679567 (pred)	-34.08 (actual)
Steering angle: -18.394303906585886 (pred)	-34.18 (actual)

Steering angle: -13.118297815226502 (pred)	-34.18 (actual)
Steering angle: -11.438351317159334 (pred)	-34.49 (actual)
Steering angle: -11.447783808403123 (pred)	-34.69 (actual)
Steering angle: -10.092013456270394 (pred)	-34.69 (actual)
Steering angle: -7.916437696175838 (pred)	-34.69 (actual)
Steering angle: -8.148927090239317 (pred)	-34.69 (actual)
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Steering angle: -9.17434851297521 (pred)	-34.59 (actual)
Steering angle: -8.042755214686053 (pred)	-33.98 (actual)
Steering angle: -9.22083136537173 (pred)	-33.48 (actual)
Steering angle: -7.941648778176001 (pred)	-32.87 (actual)
Steering angle: -8.151658312133675 (pred)	-31.969999999999995 (actual)
Steering angle: -6.318383458709832 (pred)	-30.86 (actual)
Steering angle: -5.9698474431005435 (pred)	-28.840000000000003 (actual)
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Steering angle: -1.1173685755689573 (pred)	-21.18 (actual)
Steering angle: -1.0415257281383126 (pred)	-19.66 (actual)
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Steering angle: -0.4004510028300857 (pred)	-18.55 (actual)
Steering angle: -0.3069205267700467 (pred)	-17.75 (actual)
Steering angle: -0.18564454164094657 (pred)	-16.44 (actual)
Steering angle: -0.1382417481405887 (pred)	-16.03 (actual)
Steering angle: -0.1422331399368149 (pred)	-16.03 (actual)
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Steering angle: 0.09059819047198789 (pred)	-15.730000000000002 (actual)
Steering angle: 0.22257580137002864 (pred)	-15.730000000000002 (actual)
Steering angle: 0.26611633633815585 (pred)	-15.730000000000002 (actual)
Steering angle: 0.49449758505928376 (pred)	-15.730000000000002 (actual)
Steering angle: 0.575596903386488 (pred)	-15.730000000000002 (actual)
Steering angle: 0.6542473854528311 (pred)	-15.730000000000002 (actual)
Steering angle: 0.9285016787436455 (pred)	-15.730000000000002 (actual)
Steering angle: 1.1911465714361424 (pred)	-15.43 (actual)
Steering angle: 1.7654446716632701 (pred)	-14.82 (actual)
Steering angle: 1.7712644197229441 (pred)	-14.02 (actual)
Steering angle: 1.7763827927322224 (pred)	-12.709999999999999 (actual)
Steering angle: 1.8355014950932678 (pred)	-12.0 (actual)
Steering angle: 2.319450920196525 (pred)	-10.59 (actual)
Steering angle: 3.1673042865415986 (pred)	-8.87 (actual)
Steering angle: 3.8134901277831106 (pred)	-6.150000000000001 (actual)
Steering angle: 4.125226791691662 (pred)	-4.44 (actual)
Steering angle: 3.374663707101308 (pred)	-3.3299999999999996 (actual)
Steering angle: 2.457770148295511 (pred)	-2.7200000000000006 (actual)

Steering angle: 2.8654991445730684 (pred)	-1.92 (actual)
Steering angle: 3.368147706633116 (pred)	-0.81 (actual)
Steering angle: 4.394098895916507 (pred)	0.61 (actual)
Steering angle: 4.551219286923011 (pred)	2.52 (actual)
Steering angle: 4.884287485383159 (pred)	5.04 (actual)
Steering angle: 7.111547713814025 (pred)	5.55 (actual)
Steering angle: 9.475420690268432 (pred)	5.55 (actual)
Steering angle: 8.317129036287342 (pred)	5.55 (actual)
Steering angle: 8.79769004723204 (pred)	4.94 (actual)
Steering angle: 7.6832780898000514 (pred)	4.74 (actual)
Steering angle: 8.852383640784563 (pred)	4.74 (actual)
Steering angle: 8.073812938615747 (pred)	4.74 (actual)
Steering angle: 5.904141023285021 (pred)	5.24 (actual)
Steering angle: 5.173844817509387 (pred)	6.35 (actual)
Steering angle: 5.7247691566230845 (pred)	7.460000000000001 (actual)
Steering angle: 5.177457560693501 (pred)	8.469999999999999 (actual)
Steering angle: 5.871990469088125 (pred)	9.48 (actual)
Steering angle: 7.018625551476941 (pred)	10.79 (actual)
Steering angle: 5.221647177076191 (pred)	12.61 (actual)
Steering angle: 4.450687866963709 (pred)	13.82 (actual)
Steering angle: 4.418609883526744 (pred)	15.230000000000002 (actual)
Steering angle: 4.402339519150127 (pred)	16.13 (actual)
Steering angle: 3.898467072568178 (pred)	17.140000000000004 (actual)
Steering angle: 3.697642008610055 (pred)	18.35 (actual)
Steering angle: 3.2425919676587682 (pred)	19.36 (actual)
Steering angle: 3.2468102498014857 (pred)	20.57 (actual)
Steering angle: 3.1126486859163336 (pred)	21.68 (actual)
Steering angle: 2.8735869423240095 (pred)	22.39 (actual)
Steering angle: 2.7657491409434978 (pred)	23.39 (actual)
Steering angle: 2.958185451940376 (pred)	24.0 (actual)
Steering angle: 3.080966426564406 (pred)	24.810000000000002 (actual)
Steering angle: 2.967305248586224 (pred)	26.12 (actual)
Steering angle: 3.329176354776316 (pred)	27.23 (actual)
Steering angle: 3.2328465683736294 (pred)	28.740000000000002 (actual)
Steering angle: 3.5789435661189883 (pred)	0.0 (actual)
Steering angle: 4.049520121157595 (pred)	31.560000000000006 (actual)
Steering angle: 3.963455468747203 (pred)	33.97 (actual)
Steering angle: 3.7836951350762225 (pred)	34.890000000000001 (actual)
Steering angle: 3.3236545737191836 (pred)	36.5 (actual)
Steering angle: 2.9233448704275524 (pred)	38.52 (actual)
Steering angle: 3.64175868148148 (pred)	40.54 (actual)
Steering angle: 4.577902274689312 (pred)	43.56 (actual)
Steering angle: 5.69563156962381 (pred)	47.09 (actual)
Steering angle: 5.677830389099465 (pred)	49.71 (actual)
Steering angle: 6.427516221268296 (pred)	52.34 (actual)
Steering angle: 7.02365940089524 (pred)	54.450000000000001 (actual)
Steering angle: 8.151377420604058 (pred)	55.660000000000004 (actual)
Steering angle: 10.750851796062532 (pred)	57.18 (actual)

Steering angle: 11.540515579217093 (pred)	58.79000000000001 (actual)
Steering angle: 11.551669278131724 (pred)	61.01 (actual)
Steering angle: 11.394946318757551 (pred)	63.52999999999999 (actual)
Steering angle: 12.72762038621188 (pred)	67.06 (actual)
Steering angle: 35.483625040159964 (pred)	70.39 (actual)
Steering angle: 48.39334509983355 (pred)	73.20999999999998 (actual)
Steering angle: 25.38439122016322 (pred)	75.43 (actual)
Steering angle: 16.205388787042292 (pred)	77.95 (actual)
Steering angle: 8.187256404314136 (pred)	79.46 (actual)
Steering angle: 5.2680766686198215 (pred)	80.47000000000001 (actual)
Steering angle: 5.881001196150664 (pred)	80.57 (actual)
Steering angle: 6.748335329225672 (pred)	80.87000000000002 (actual)
Steering angle: 6.970706651807423 (pred)	80.97 (actual)
Steering angle: 3.7156634627351335 (pred)	81.28000000000002 (actual)
Steering angle: 0.3400300822150951 (pred)	82.08 (actual)
Steering angle: 0.45105672816435644 (pred)	83.29 (actual)
Steering angle: -2.1961329219490024 (pred)	85.71 (actual)
Steering angle: -2.783196218848061 (pred)	86.32 (actual)
Steering angle: -3.732421758750583 (pred)	86.32 (actual)
Steering angle: -1.8639108131722897 (pred)	86.32 (actual)
Steering angle: -0.8787311574788205 (pred)	86.72 (actual)
Steering angle: 1.84167470544249 (pred)	87.03 (actual)
Steering angle: -1.735737190755123 (pred)	87.93 (actual)
Steering angle: -5.863330642994195 (pred)	88.64 (actual)
Steering angle: -5.289726233854647 (pred)	89.24 (actual)
Steering angle: -2.6054900645699615 (pred)	89.55 (actual)
Steering angle: 0.4964668139743631 (pred)	90.05 (actual)
Steering angle: 2.6903876084059277 (pred)	90.05 (actual)
Steering angle: 2.703844788618145 (pred)	90.05 (actual)
Steering angle: 2.299845929401061 (pred)	90.35 (actual)
Steering angle: 2.2323786014401445 (pred)	90.55 (actual)
Steering angle: 2.240669383875482 (pred)	90.55 (actual)
Steering angle: 3.245833959636997 (pred)	90.55 (actual)
Steering angle: 3.2624863877203114 (pred)	90.76 (actual)
Steering angle: 2.6132927019230547 (pred)	91.15999999999998 (actual)
Steering angle: 3.2465545445944333 (pred)	92.27 (actual)
Steering angle: 2.930601946420691 (pred)	92.87 (actual)
Steering angle: 2.348518711200218 (pred)	93.28 (actual)
Steering angle: 1.6912967783638464 (pred)	93.28 (actual)
Steering angle: 1.5666385689351205 (pred)	93.48 (actual)
Steering angle: 0.7902829824915056 (pred)	94.49 (actual)
Steering angle: 0.9676435718862846 (pred)	95.9 (actual)
Steering angle: 1.2061437458627864 (pred)	97.92 (actual)
Steering angle: 2.4387352648523315 (pred)	99.13 (actual)
Steering angle: 2.598579193790378 (pred)	99.63 (actual)
Steering angle: 7.223834316221742 (pred)	99.63 (actual)
Steering angle: 12.493037539167792 (pred)	99.63 (actual)
Steering angle: 12.44650943676802 (pred)	99.63 (actual)

Steering angle: 16.973365012034773 (pred)	99.93000000000002 (actual)
Steering angle: 12.522829116780096 (pred)	100.02999999999999 (actual)
Steering angle: 17.011429656279255 (pred)	100.02999999999999 (actual)
Steering angle: 25.136622692926423 (pred)	100.33999999999999 (actual)
Steering angle: 30.7730416450881 (pred)	100.54 (actual)
Steering angle: 33.21238906564479 (pred)	100.54 (actual)
Steering angle: 45.06759280426553 (pred)	100.54 (actual)
Steering angle: 44.49433502722636 (pred)	100.84000000000002 (actual)
Steering angle: 29.52197980047896 (pred)	101.45 (actual)
Steering angle: 20.634223463756545 (pred)	101.55 (actual)
Steering angle: 14.497643419053174 (pred)	101.55 (actual)
Steering angle: 12.958076945223635 (pred)	101.95 (actual)
Steering angle: 10.35971674437352 (pred)	102.76 (actual)
Steering angle: 9.851349179544057 (pred)	102.86 (actual)
Steering angle: 8.862293391496605 (pred)	0.0 (actual)
Steering angle: 8.302282766352674 (pred)	102.86 (actual)
Steering angle: 7.566098510625666 (pred)	102.86 (actual)
Steering angle: 7.460642951161608 (pred)	102.55 (actual)
Steering angle: 8.305025087304434 (pred)	101.65 (actual)
Steering angle: 8.51657653646724 (pred)	101.14 (actual)
Steering angle: 9.465987345250998 (pred)	99.83 (actual)
Steering angle: 9.471137307885188 (pred)	97.61 (actual)
Steering angle: 10.41764101740346 (pred)	95.9 (actual)
Steering angle: 11.745054131649587 (pred)	93.68 (actual)
Steering angle: 12.17686210607238 (pred)	92.06999999999998 (actual)
Steering angle: 11.461487729199106 (pred)	89.55 (actual)
Steering angle: 9.60309058623431 (pred)	87.73 (actual)
Steering angle: 8.098919006457422 (pred)	85.91999999999999 (actual)
Steering angle: 7.879609316171129 (pred)	83.8 (actual)
Steering angle: 7.9575417746009744 (pred)	81.78000000000002 (actual)
Steering angle: 8.09522728921103 (pred)	80.47000000000001 (actual)
Steering angle: 8.836021068854151 (pred)	79.06 (actual)
Steering angle: 9.196568825892552 (pred)	77.85 (actual)
Steering angle: 8.724423461778958 (pred)	76.94 (actual)
Steering angle: 8.97078582382038 (pred)	75.33 (actual)
Steering angle: 12.487601562362109 (pred)	74.01999999999998 (actual)
Steering angle: 12.210171231107239 (pred)	72.3 (actual)
Steering angle: 11.357212084914169 (pred)	70.08 (actual)
Steering angle: 9.237587526953064 (pred)	66.45 (actual)
Steering angle: 8.968386719874413 (pred)	64.54 (actual)
Steering angle: 7.3026154256559614 (pred)	62.81999999999999 (actual)
Steering angle: 6.126274996793114 (pred)	61.70999999999999 (actual)
Steering angle: 8.505410030947914 (pred)	61.92 (actual)
Steering angle: 8.143585028534721 (pred)	63.32999999999999 (actual)
Steering angle: 6.52081660533067 (pred)	65.14 (actual)
Steering angle: 8.582257343073374 (pred)	67.75999999999999 (actual)
Steering angle: 6.185166595364257 (pred)	70.39 (actual)
Steering angle: 3.8538283712475594 (pred)	72.1 (actual)

Steering angle: 5.248383098808559 (pred)	73.11 (actual)
Steering angle: 4.86983864708082 (pred)	73.81999999999998 (actual)
Steering angle: 3.412057498703247 (pred)	73.92 (actual)
Steering angle: 4.1445011586426155 (pred)	74.12 (actual)
Steering angle: 4.82206958468622 (pred)	74.21999999999998 (actual)
Steering angle: 10.170889334579348 (pred)	74.32 (actual)
Steering angle: 16.938013660438077 (pred)	74.42 (actual)
Steering angle: 19.72028951129548 (pred)	74.42 (actual)
Steering angle: 22.8594990953467 (pred)	74.42 (actual)
Steering angle: 23.139598323019754 (pred)	74.42 (actual)
Steering angle: 22.28149433683437 (pred)	74.42 (actual)
Steering angle: 20.51531328540121 (pred)	74.42 (actual)
Steering angle: 21.382719989236147 (pred)	74.01999999999998 (actual)
Steering angle: 18.15461549313721 (pred)	73.31 (actual)
Steering angle: 15.721471591894183 (pred)	72.4 (actual)
Steering angle: 14.69601601821244 (pred)	71.29 (actual)
Steering angle: 10.852887138299705 (pred)	68.77 (actual)
Steering angle: 8.533464179190096 (pred)	66.35 (actual)
Steering angle: 6.593624714335713 (pred)	63.32999999999999 (actual)
Steering angle: 5.135519345415976 (pred)	58.49 (actual)
Steering angle: 3.3267339218178016 (pred)	55.36000000000001 (actual)
Steering angle: 3.2159448383856097 (pred)	51.63 (actual)
Steering angle: 1.6264740142721943 (pred)	48.91 (actual)
Steering angle: 0.5423176604292471 (pred)	45.279999999999994 (actual)
Steering angle: 1.1374580829086687 (pred)	41.24 (actual)
Steering angle: -4.1111079369036 (pred)	37.51 (actual)
Steering angle: -6.517261491867678 (pred)	32.169999999999995 (actual)
Steering angle: -10.043321037677373 (pred)	27.63 (actual)
Steering angle: -12.989885136188384 (pred)	22.39 (actual)
Steering angle: -12.627915846028973 (pred)	19.76 (actual)
Steering angle: -7.193836125387046 (pred)	17.55 (actual)
Steering angle: -1.9872747017532981 (pred)	15.63 (actual)
Steering angle: -0.6953145381677674 (pred)	14.12 (actual)
Steering angle: 0.12885365312640618 (pred)	0.0 (actual)
Steering angle: 0.14604993502238264 (pred)	11.5 (actual)
Steering angle: 0.21755988119830053 (pred)	10.89 (actual)
Steering angle: 0.29251117549884703 (pred)	10.79 (actual)
Steering angle: -0.707563628670539 (pred)	10.79 (actual)
Steering angle: -1.412049403346341 (pred)	10.389999999999999 (actual)
Steering angle: -3.92115013080179 (pred)	9.28 (actual)
Steering angle: -7.834826327104294 (pred)	7.87 (actual)
Steering angle: -15.30325057127784 (pred)	7.06 (actual)
Steering angle: -18.758503253509303 (pred)	5.849999999999999 (actual)
Steering angle: -22.81681041303412 (pred)	5.139999999999999 (actual)
Steering angle: -24.447367813212924 (pred)	4.94 (actual)
Steering angle: -25.893878936016566 (pred)	4.44 (actual)
Steering angle: -22.169687555215848 (pred)	3.13 (actual)
Steering angle: -17.407488420586198 (pred)	0.91 (actual)

Steering angle: -16.496573411738275 (pred)	-1.92 (actual)
Steering angle: -17.445361819533918 (pred)	-3.53 (actual)
Steering angle: -17.935011250942964 (pred)	-5.139999999999999 (actual)
Steering angle: -16.69417419952133 (pred)	-6.45 (actual)
Steering angle: -17.962506177446848 (pred)	-7.969999999999999 (actual)
Steering angle: -18.334963223076812 (pred)	-9.78 (actual)
Steering angle: -18.075194053468305 (pred)	-11.699999999999998 (actual)
Steering angle: -18.24151940504187 (pred)	-13.51 (actual)
Steering angle: -18.23387983845521 (pred)	-15.43 (actual)
Steering angle: -16.837464738119028 (pred)	-16.54 (actual)
Steering angle: -15.878055386164018 (pred)	-17.850000000000005 (actual)
Steering angle: -16.602004211766594 (pred)	-18.760000000000005 (actual)
Steering angle: -14.672834356169417 (pred)	-19.76 (actual)
Steering angle: -15.687465787563982 (pred)	-21.079999999999995 (actual)
Steering angle: -17.875158303246142 (pred)	-22.789999999999996 (actual)
Steering angle: -17.269658618229926 (pred)	-23.7 (actual)
Steering angle: -19.387751506269655 (pred)	-25.01 (actual)
Steering angle: -20.69005343003223 (pred)	-26.42 (actual)
Steering angle: -19.07683104996692 (pred)	-27.530000000000005 (actual)
Steering angle: -19.069987200418566 (pred)	-28.840000000000003 (actual)
Steering angle: -18.12348690599488 (pred)	-29.849999999999998 (actual)
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Steering angle: -15.838303685194543 (pred)	-30.96 (actual)
Steering angle: -14.753130060052086 (pred)	-31.359999999999996 (actual)
Steering angle: -14.805329780783909 (pred)	-31.76 (actual)
Steering angle: -15.947921391184078 (pred)	0.0 (actual)
Steering angle: -15.28293758868622 (pred)	-32.47 (actual)
Steering angle: -15.605800630752723 (pred)	-33.28 (actual)
Steering angle: -15.45943650702852 (pred)	-34.08 (actual)
Steering angle: -16.35599104314649 (pred)	-35.19 (actual)
Steering angle: -15.39491854012858 (pred)	-36.1 (actual)
Steering angle: -15.427723938712152 (pred)	-37.21 (actual)
Steering angle: -14.568335876962808 (pred)	-38.120000000000005 (actual)
Steering angle: -14.413314488465613 (pred)	-38.81999999999999 (actual)
Steering angle: -11.921233738648189 (pred)	-39.43 (actual)
Steering angle: -11.52234044583569 (pred)	-39.73 (actual)
Steering angle: -9.57763276365038 (pred)	-40.030000000000001 (actual)
Steering angle: -8.57493111141489 (pred)	-41.24 (actual)
Steering angle: -8.97014805490663 (pred)	-42.76 (actual)
Steering angle: -10.215664639683366 (pred)	-43.97 (actual)
Steering angle: -13.643107352935479 (pred)	-45.279999999999994 (actual)
Steering angle: -15.635289972494254 (pred)	-45.88 (actual)
Steering angle: -16.20205906982191 (pred)	-46.39 (actual)
Steering angle: -15.484790169227608 (pred)	-47.28999999999999 (actual)
Steering angle: -15.09754234894998 (pred)	-48.3 (actual)
Steering angle: -16.343853796991375 (pred)	-49.92 (actual)
Steering angle: -17.766414861470366 (pred)	-50.92 (actual)
Steering angle: -18.85276669424465 (pred)	-51.93 (actual)



Steering angle: -18.894946527464064 (pred)	-53.34 (actual)
Steering angle: -20.505320718645482 (pred)	-54.86 (actual)
Steering angle: -20.722585621049 (pred)	-56.47 (actual)
Steering angle: -22.11622766458216 (pred)	-57.480000000000004 (actual)
Steering angle: -22.262581543022606 (pred)	-58.790000000000001 (actual)
Steering angle: -22.5732834332719 (pred)	-59.699999999999996 (actual)
Steering angle: -23.690377947500412 (pred)	-60.81 (actual)
Steering angle: -22.38118094777071 (pred)	-61.82 (actual)
Steering angle: -23.07457833721582 (pred)	-62.42 (actual)
Steering angle: -22.41686527108944 (pred)	-63.03 (actual)
Steering angle: -21.61841615711495 (pred)	-63.930000000000001 (actual)
Steering angle: -22.07425615213243 (pred)	-64.44 (actual)
Steering angle: -23.218859253243167 (pred)	-64.74 (actual)
Steering angle: -23.526788086689436 (pred)	-65.14 (actual)
Steering angle: -22.53418060027358 (pred)	-65.75 (actual)
Steering angle: -21.35374291168237 (pred)	-66.05 (actual)
Steering angle: -21.01786152905782 (pred)	-66.45 (actual)
Steering angle: -18.252942896428717 (pred)	-66.96 (actual)
Steering angle: -16.93867106614569 (pred)	-67.659999999999998 (actual)
Steering angle: -13.394206721843751 (pred)	-68.07 (actual)
Steering angle: -10.947692725300422 (pred)	-68.07 (actual)
Steering angle: -10.341761884592849 (pred)	0.0 (actual)
Steering angle: -9.762969946778677 (pred)	-68.37 (actual)
Steering angle: -10.337751709776406 (pred)	-68.77 (actual)
Steering angle: -8.659430796731701 (pred)	-68.77 (actual)
Steering angle: -8.376965762284886 (pred)	-68.87 (actual)
Steering angle: -7.491543580740392 (pred)	-68.87 (actual)
Steering angle: -5.675815483294311 (pred)	-68.87 (actual)
Steering angle: -7.111208765676463 (pred)	-68.87 (actual)
Steering angle: -11.337735800495878 (pred)	-68.87 (actual)
Steering angle: -11.366233057260462 (pred)	-68.57 (actual)
Steering angle: -10.707843802406254 (pred)	-67.56 (actual)
Steering angle: -10.095781159371302 (pred)	-66.66 (actual)
Steering angle: -10.508581571107594 (pred)	-66.05 (actual)
Steering angle: -12.55799349194826 (pred)	-65.24 (actual)
Steering angle: -13.040017017148985 (pred)	-64.74 (actual)
Steering angle: -14.159976795734316 (pred)	-63.83 (actual)
Steering angle: -13.169034167928649 (pred)	-62.52 (actual)
Steering angle: -12.141633697880746 (pred)	-61.92 (actual)
Steering angle: -12.394120178286729 (pred)	-61.61 (actual)
Steering angle: -12.148200924767712 (pred)	-61.61 (actual)
Steering angle: -11.458823101649156 (pred)	-61.61 (actual)
Steering angle: -9.96694586237829 (pred)	-61.41 (actual)
Steering angle: -10.186419477204664 (pred)	-61.21 (actual)
Steering angle: -9.479914100968655 (pred)	-60.009999999999999 (actual)
Steering angle: -8.399558320511996 (pred)	-60.71 (actual)
Steering angle: -8.30075536529953 (pred)	-60.2 (actual)
Steering angle: -8.350323755653605 (pred)	-59.699999999999996 (actual)

Steering angle: -10.263767100686827 (pred)	-59.5 (actual)
Steering angle: -11.72918247956577 (pred)	-59.38999999999999 (actual)
Steering angle: -13.74427099227983 (pred)	-59.38999999999999 (actual)
Steering angle: -14.971921509735106 (pred)	-59.38999999999999 (actual)
Steering angle: -16.920506178048043 (pred)	-59.38999999999999 (actual)
Steering angle: -19.740964493913108 (pred)	-59.29 (actual)
Steering angle: -23.174920646312476 (pred)	-58.99000000000001 (actual)
Steering angle: -23.65485071853259 (pred)	-58.49 (actual)
Steering angle: -20.741559886563298 (pred)	-58.290000000000006 (actual)
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Steering angle: -17.58358777286205 (pred)	-58.08 (actual)
Steering angle: -13.083803652370644 (pred)	-57.68000000000001 (actual)
Steering angle: -10.870180323504531 (pred)	-57.480000000000004 (actual)
Steering angle: -9.323927094477549 (pred)	-57.480000000000004 (actual)
Steering angle: -9.448746240238593 (pred)	-57.18 (actual)
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Steering angle: -10.68855705573743 (pred)	-56.27 (actual)
Steering angle: -10.027999215821742 (pred)	-55.56 (actual)
Steering angle: -10.370162664935409 (pred)	-54.86 (actual)
Steering angle: -9.545290964156724 (pred)	-53.95 (actual)
Steering angle: -9.355288761825308 (pred)	-53.55 (actual)
Steering angle: -9.005970689556055 (pred)	-53.45 (actual)
Steering angle: -9.754747252791628 (pred)	-53.45 (actual)
Steering angle: -8.076219726524531 (pred)	-53.45 (actual)
Steering angle: -7.219599598936334 (pred)	-53.45 (actual)
Steering angle: -7.395643455925182 (pred)	-53.45 (actual)
Steering angle: -5.858666477564722 (pred)	-53.45 (actual)
Steering angle: -3.222646748065273 (pred)	-53.45 (actual)
Steering angle: -3.9214404138415158 (pred)	-53.14 (actual)
Steering angle: -4.887764478557519 (pred)	-52.84 (actual)
Steering angle: -7.3359305271063455 (pred)	-51.13 (actual)
Steering angle: -8.203227947914565 (pred)	-51.03000000000001 (actual)
Steering angle: -9.927067802909171 (pred)	-49.41 (actual)
Steering angle: -10.53279203039435 (pred)	-47.7 (actual)
Steering angle: -12.23872654447977 (pred)	-46.59 (actual)
Steering angle: -11.231589538152 (pred)	-46.08 (actual)
Steering angle: -7.313072445275251 (pred)	-45.98 (actual)
Steering angle: -8.655469287013094 (pred)	-45.98 (actual)
Steering angle: -10.110514731184667 (pred)	-45.98 (actual)
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Steering angle: -9.047295041581924 (pred)	-45.98 (actual)
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Steering angle: -8.288787166326376 (pred)	-45.48 (actual)
Steering angle: -9.187882532815589 (pred)	-45.18 (actual)
Steering angle: -3.9751239931705236 (pred)	-45.08 (actual)
Steering angle: -2.9616203967626578 (pred)	-44.87 (actual)

Steering angle: -3.1091435182116474 (pred)	-44.47 (actual)
Steering angle: -2.033276452700157 (pred)	-43.56 (actual)
Steering angle: -1.7316036456467958 (pred)	-42.76 (actual)
Steering angle: -0.6272290780869647 (pred)	-41.45 (actual)
Steering angle: -1.627316902304456 (pred)	-40.24 (actual)
Steering angle: -1.804332780589561 (pred)	-39.53 (actual)
Steering angle: -1.412286325533176 (pred)	-39.03 (actual)
Steering angle: -1.8621242918175083 (pred)	-38.120000000000005 (actual)
Steering angle: -0.7603127527437245 (pred)	-36.400000000000006 (actual)
Steering angle: -0.8717959541503187 (pred)	-35.090000000000001 (actual)
Steering angle: -1.6305151383833145 (pred)	-33.879999999999995 (actual)
Steering angle: -1.4177440735668392 (pred)	-33.28 (actual)
Steering angle: -0.16297514378567426 (pred)	-32.97 (actual)
Steering angle: -0.2678505640571044 (pred)	-32.87 (actual)
Steering angle: -1.8559873668482518 (pred)	0.0 (actual)
Steering angle: -4.155699680673674 (pred)	-32.77 (actual)
Steering angle: -4.564711898741548 (pred)	-32.77 (actual)
Steering angle: -6.670893790642421 (pred)	-32.77 (actual)
Steering angle: -7.797554838577181 (pred)	-32.27 (actual)
Steering angle: -8.545428109295019 (pred)	-31.359999999999996 (actual)
Steering angle: -8.204097943260095 (pred)	-30.05 (actual)
Steering angle: -6.790234270915469 (pred)	-28.840000000000003 (actual)
Steering angle: -6.629887042412957 (pred)	-27.43 (actual)
Steering angle: -6.1199818312465935 (pred)	-25.31 (actual)
Steering angle: -3.0182644362100426 (pred)	-23.9 (actual)
Steering angle: -2.085780543736868 (pred)	-22.179999999999996 (actual)
Steering angle: -1.9091599626499778 (pred)	-21.38 (actual)
Steering angle: -1.8658403416128182 (pred)	-20.57 (actual)
Steering angle: -3.1502014928598867 (pred)	-20.07 (actual)
Steering angle: -3.924925517865515 (pred)	-19.66 (actual)
Steering angle: -4.554363308375333 (pred)	-19.26 (actual)
Steering angle: -5.9511062577916745 (pred)	-18.859999999999996 (actual)
Steering angle: -3.4532668047302844 (pred)	-18.149999999999995 (actual)
Steering angle: -1.7220358312800772 (pred)	-17.75 (actual)
Steering angle: -1.9716634506315878 (pred)	-17.239999999999995 (actual)
Steering angle: -1.9790874393725684 (pred)	0.0 (actual)
Steering angle: -0.4722213499681103 (pred)	-16.44 (actual)
Steering angle: 0.16520797531403372 (pred)	-16.13 (actual)
Steering angle: 0.40398135685733605 (pred)	-15.43 (actual)
Steering angle: 0.5707235634136839 (pred)	-14.62 (actual)
Steering angle: 0.195113745151523 (pred)	-13.71 (actual)
Steering angle: 0.214906139262339 (pred)	-12.709999999999999 (actual)
Steering angle: 0.20257487304611568 (pred)	-11.8 (actual)
Steering angle: 0.45879746692809653 (pred)	-10.79 (actual)
Steering angle: 0.4754437051524754 (pred)	-9.28 (actual)
Steering angle: 0.7910584224057137 (pred)	-7.659999999999998 (actual)
Steering angle: 0.539892729830481 (pred)	-6.76 (actual)
Steering angle: 0.5370498770318748 (pred)	-5.949999999999999 (actual)

Steering angle: 0.7628772753336526 (pred)	-5.65 (actual)
Steering angle: 1.0522085708870357 (pred)	-5.65 (actual)
Steering angle: 1.1031878221915414 (pred)	-5.65 (actual)
Steering angle: 1.4818509484561095 (pred)	-5.65 (actual)
Steering angle: 1.6940457160613651 (pred)	-5.139999999999999 (actual)
Steering angle: 1.6842473828101587 (pred)	-4.64 (actual)
Steering angle: 1.5407794727374524 (pred)	-4.13 (actual)
Steering angle: 1.4119008467318934 (pred)	-3.53 (actual)
Steering angle: 1.1015818739629422 (pred)	-2.92 (actual)
Steering angle: 1.5337076656255504 (pred)	-2.52 (actual)
Steering angle: 1.8629449817349675 (pred)	-2.42 (actual)
Steering angle: 1.9650708239786445 (pred)	-2.42 (actual)
Steering angle: 1.8958361845699871 (pred)	-2.22 (actual)
Steering angle: 1.592330112054712 (pred)	-1.71 (actual)
Steering angle: 1.6087050637029945 (pred)	-1.01 (actual)
Steering angle: 1.643102750136825 (pred)	-0.5 (actual)
Steering angle: 1.8301472671142125 (pred)	-0.4 (actual)
Steering angle: 2.127810966568188 (pred)	-0.4 (actual)
Steering angle: 2.3357163753746755 (pred)	-0.4 (actual)
Steering angle: 2.375800834622776 (pred)	0.0 (actual)
Steering angle: 2.4777429020890973 (pred)	0.3 (actual)
Steering angle: 2.65005640857406 (pred)	0.91 (actual)
Steering angle: 2.872077043630614 (pred)	1.51 (actual)
Steering angle: 2.8502330314478552 (pred)	2.42 (actual)
Steering angle: 1.9516334940037021 (pred)	2.82 (actual)
Steering angle: 1.878430728130679 (pred)	2.92 (actual)
Steering angle: 0.872745137001539 (pred)	2.92 (actual)
Steering angle: 0.5009382400031942 (pred)	3.03 (actual)
Steering angle: 0.5193116623139401 (pred)	0.0 (actual)
Steering angle: 0.5636327598381529 (pred)	2.7200000000000006 (actual)
Steering angle: 0.3635976499462241 (pred)	2.7200000000000006 (actual)
Steering angle: 0.13276820529446973 (pred)	2.7200000000000006 (actual)
Steering angle: -0.04977372291599855 (pred)	2.7200000000000006 (actual)
Steering angle: -1.0244165311542537 (pred)	2.7200000000000006 (actual)
Steering angle: -1.7915953315611335 (pred)	2.42 (actual)
Steering angle: -3.0329877627396513 (pred)	2.02 (actual)
Steering angle: -2.314389963464957 (pred)	0.0 (actual)
Steering angle: -1.4518126302600396 (pred)	0.91 (actual)
Steering angle: -0.3330357550615905 (pred)	0.71 (actual)
Steering angle: 0.5051932344127006 (pred)	0.71 (actual)
Steering angle: 0.26498359215299155 (pred)	0.71 (actual)
Steering angle: 0.16180974275854082 (pred)	0.0 (actual)
Steering angle: -0.08396351546696675 (pred)	0.4 (actual)
Steering angle: -0.24506761430688062 (pred)	0.4 (actual)
Steering angle: 0.0852898528264186 (pred)	0.4 (actual)
Steering angle: 0.20812781684133605 (pred)	0.4 (actual)
Steering angle: 0.2788157924393252 (pred)	0.4 (actual)
Steering angle: 0.18410326676605088 (pred)	0.4 (actual)

Steering angle: 0.12661420485228825 (pred)	0.4 (actual)
Steering angle: 0.18541914539833615 (pred)	0.4 (actual)
Steering angle: 0.12149134953136712 (pred)	0.4 (actual)
Steering angle: 0.13611243666683723 (pred)	0.4 (actual)
Steering angle: 0.40136432718816334 (pred)	0.4 (actual)
Steering angle: 0.48544118110667 (pred)	0.5 (actual)
Steering angle: 0.41934714805574913 (pred)	0.5 (actual)
Steering angle: 0.07750130273848843 (pred)	0.81 (actual)
Steering angle: 0.49874767027032424 (pred)	1.01 (actual)
Steering angle: 0.5935684117532609 (pred)	1.01 (actual)
Steering angle: 0.9224447950537252 (pred)	1.01 (actual)
Steering angle: 0.6651088803370323 (pred)	1.01 (actual)
Steering angle: 0.40676380517047 (pred)	1.01 (actual)
Steering angle: 0.5581982771363498 (pred)	1.01 (actual)
Steering angle: 1.2656863468391957 (pred)	1.01 (actual)
Steering angle: 1.284312913036055 (pred)	1.01 (actual)
Steering angle: 0.7197053571372946 (pred)	1.01 (actual)
Steering angle: 0.5897761626600229 (pred)	1.01 (actual)
Steering angle: 0.33928580503897526 (pred)	1.01 (actual)
Steering angle: 0.3185600228893947 (pred)	1.01 (actual)
Steering angle: 0.39548630907713267 (pred)	1.01 (actual)
Steering angle: 0.42609985726736455 (pred)	1.01 (actual)
Steering angle: 0.45090817154990864 (pred)	1.01 (actual)
Steering angle: 0.48154135653400426 (pred)	1.01 (actual)
Steering angle: 0.6192580338821483 (pred)	1.11 (actual)
Steering angle: 1.0372017915068714 (pred)	0.71 (actual)
Steering angle: 1.2441908877475192 (pred)	0.0 (actual)
Steering angle: 1.4009620853327063 (pred)	-0.5 (actual)
Steering angle: 1.127089642305178 (pred)	-0.91 (actual)
Steering angle: 1.438182133997633 (pred)	-1.21 (actual)
Steering angle: 1.7328567719160815 (pred)	-1.41 (actual)
Steering angle: 1.4502036938236786 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.6909076710245674 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.1350737065580996 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.5862345951072987 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.0446667613828722 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.3797167819193816 (pred)	-1.41 (actual)
Steering angle: 0.8757894803806606 (pred)	-1.41 (actual)
Steering angle: 0.5505597777667485 (pred)	-1.21 (actual)
Steering angle: 0.5565586048487237 (pred)	-1.01 (actual)
Steering angle: 0.5070282074219069 (pred)	-0.91 (actual)
Steering angle: -0.032040844283352944 (pred)	-1.21 (actual)
Steering angle: 0.007098700981758878 (pred)	-1.31 (actual)
Steering angle: -0.15377061010543583 (pred)	-0.61 (actual)
Steering angle: 0.06146060347271349 (pred)	0.61 (actual)
Steering angle: 0.3902893888923992 (pred)	1.21 (actual)
Steering angle: 0.3568176199779286 (pred)	1.31 (actual)
Steering angle: 0.2121234775057935 (pred)	1.31 (actual)

Steering angle: 0.01648722288276453 (pred)	1.31 (actual)
Steering angle: -0.11605217107450978 (pred)	0.0 (actual)
Steering angle: -0.058191931068039264 (pred)	1.31 (actual)
Steering angle: 0.028972808685547836 (pred)	1.31 (actual)
Steering angle: 0.10235123848628733 (pred)	1.31 (actual)
Steering angle: 0.49164363320327625 (pred)	1.51 (actual)
Steering angle: 0.6707062203618578 (pred)	1.6100000000000003 (actual)
Steering angle: 0.8725479152892549 (pred)	1.71 (actual)
Steering angle: 1.4641018481241852 (pred)	1.71 (actual)
Steering angle: 1.5668671668289045 (pred)	1.92 (actual)
Steering angle: 1.3011860416069254 (pred)	2.42 (actual)
Steering angle: 0.8068784211839326 (pred)	3.23 (actual)
Steering angle: 0.5924595732301917 (pred)	3.9300000000000006 (actual)
Steering angle: 0.2685088235383644 (pred)	5.139999999999999 (actual)
Steering angle: 0.24805838338969996 (pred)	5.55 (actual)
Steering angle: 0.43608986270215444 (pred)	5.65 (actual)
Steering angle: 0.5894596260806751 (pred)	5.65 (actual)
Steering angle: 0.6589839081988234 (pred)	5.75 (actual)
Steering angle: 0.6623492704689355 (pred)	5.949999999999999 (actual)
Steering angle: 0.7109520428291001 (pred)	0.0 (actual)
Steering angle: 0.64075968283276 (pred)	6.860000000000001 (actual)
Steering angle: 0.6114797290779731 (pred)	7.659999999999998 (actual)
Steering angle: 0.3397846222917978 (pred)	8.37 (actual)
Steering angle: 0.20137489418630905 (pred)	8.87 (actual)
Steering angle: 0.3102583548400673 (pred)	8.97 (actual)
Steering angle: 0.4309834425239236 (pred)	9.08 (actual)
Steering angle: 0.1906500030855081 (pred)	9.18 (actual)
Steering angle: 0.4283832748842644 (pred)	9.48 (actual)
Steering angle: 0.5916117759994638 (pred)	9.78 (actual)
Steering angle: 0.34798362406016337 (pred)	9.88 (actual)
Steering angle: 0.35702572730420246 (pred)	10.08 (actual)
Steering angle: 0.4919780990291953 (pred)	10.18 (actual)
Steering angle: 0.07828805515350928 (pred)	10.29 (actual)
Steering angle: -0.0871463836201927 (pred)	10.389999999999999 (actual)
Steering angle: -0.3237761529811688 (pred)	10.389999999999999 (actual)
Steering angle: -0.18035840211017984 (pred)	10.389999999999999 (actual)
Steering angle: -0.1717596208319569 (pred)	10.08 (actual)
Steering angle: -0.06419609423530359 (pred)	9.78 (actual)
Steering angle: -0.1776690151244873 (pred)	9.380000000000003 (actual)
Steering angle: -0.2992848021647956 (pred)	8.77 (actual)
Steering angle: -0.0474446284090242 (pred)	7.969999999999999 (actual)
Steering angle: 0.28708373642962565 (pred)	7.36 (actual)
Steering angle: 0.2741465043679752 (pred)	6.96 (actual)
Steering angle: 0.11228233353948587 (pred)	6.659999999999999 (actual)
Steering angle: -0.17305735677425932 (pred)	6.150000000000001 (actual)
Steering angle: -0.536268460702143 (pred)	5.139999999999999 (actual)
Steering angle: -0.2581034572246731 (pred)	4.24 (actual)
Steering angle: -0.19673933017398604 (pred)	3.53 (actual)

Steering angle: -0.11961795670807956 (pred)	3.4300000000000006 (actual)
Steering angle: -0.05744231780663036 (pred)	3.4300000000000006 (actual)
Steering angle: 0.11592367814074891 (pred)	3.53 (actual)
Steering angle: 0.10897758919825751 (pred)	3.7300000000000004 (actual)
Steering angle: 0.29656062390301835 (pred)	3.7300000000000004 (actual)
Steering angle: 0.32836454599953646 (pred)	3.7300000000000004 (actual)
Steering angle: 0.3204953143020355 (pred)	4.03 (actual)
Steering angle: 0.286949267080341 (pred)	4.24 (actual)
Steering angle: 0.32687108244883084 (pred)	4.24 (actual)
Steering angle: 0.3889722295996446 (pred)	4.34 (actual)
Steering angle: 0.39466860736743525 (pred)	0.0 (actual)
Steering angle: 0.32697182773908856 (pred)	4.74 (actual)
Steering angle: 0.3090750245663626 (pred)	4.94 (actual)
Steering angle: 0.3004327008321809 (pred)	4.94 (actual)
Steering angle: 0.25636624129796265 (pred)	5.139999999999999 (actual)
Steering angle: 0.19745201772519455 (pred)	5.45 (actual)
Steering angle: 0.2077295314353597 (pred)	6.25 (actual)
Steering angle: 0.2579578888179872 (pred)	7.06 (actual)
Steering angle: 0.45711169086357273 (pred)	8.27 (actual)
Steering angle: 0.561406971942375 (pred)	9.08 (actual)
Steering angle: 0.6579096475084273 (pred)	9.58 (actual)
Steering angle: 0.5978398413054576 (pred)	0.0 (actual)
Steering angle: 0.7849347309279742 (pred)	9.78 (actual)
Steering angle: 0.6889176391232273 (pred)	0.0 (actual)
Steering angle: 0.8254046689773574 (pred)	9.88 (actual)
Steering angle: 0.8019199172899149 (pred)	10.18 (actual)
Steering angle: 0.7165201411065414 (pred)	10.389999999999999 (actual)
Steering angle: 0.7639212270596067 (pred)	10.389999999999999 (actual)
Steering angle: 0.7508286081943386 (pred)	10.389999999999999 (actual)
Steering angle: 0.8781420536629069 (pred)	10.18 (actual)
Steering angle: 1.148466640303437 (pred)	9.88 (actual)
Steering angle: 1.0011238785372176 (pred)	9.48 (actual)
Steering angle: 0.7463369050414089 (pred)	9.48 (actual)
Steering angle: 0.645827896640321 (pred)	9.380000000000003 (actual)
Steering angle: 0.5511098214383461 (pred)	9.380000000000003 (actual)
Steering angle: 0.5679080313717577 (pred)	9.08 (actual)
Steering angle: 0.6150435937208388 (pred)	8.77 (actual)
Steering angle: 0.6573929010090335 (pred)	8.77 (actual)
Steering angle: 0.5759027677952576 (pred)	9.08 (actual)
Steering angle: 0.6358489902629324 (pred)	9.380000000000003 (actual)
Steering angle: 0.4498437292564445 (pred)	9.88 (actual)
Steering angle: 0.5309434744704719 (pred)	10.49 (actual)
Steering angle: 0.5008349333919978 (pred)	11.290000000000001 (actual)
Steering angle: 0.7137054628382614 (pred)	12.0 (actual)
Steering angle: 0.6557948501866621 (pred)	13.11 (actual)
Steering angle: 0.6457999355534062 (pred)	14.920000000000002 (actual)
Steering angle: 0.5598078539029457 (pred)	14.72 (actual)
Steering angle: 0.5517774724297148 (pred)	14.920000000000002 (actual)

Steering angle: 0.3165090451476868 (pred)	15.030000000000001 (actual)
Steering angle: 0.045076900644556966 (pred)	15.030000000000001 (actual)
Steering angle: -0.2594724832664375 (pred)	15.230000000000002 (actual)
Steering angle: -0.6484069333822354 (pred)	15.53 (actual)
Steering angle: -0.4521166881461778 (pred)	15.63 (actual)
Steering angle: -0.6405701450832921 (pred)	15.83 (actual)
Steering angle: -0.7507440846033596 (pred)	16.24 (actual)
Steering angle: -0.5090475955387035 (pred)	17.34 (actual)
Steering angle: -0.4607073585747613 (pred)	18.96 (actual)
Steering angle: -0.7479846881786745 (pred)	19.76 (actual)
Steering angle: -0.7283837528080304 (pred)	20.07 (actual)
Steering angle: -0.613405202093682 (pred)	20.27 (actual)
Steering angle: -0.5697338263142667 (pred)	20.77 (actual)
Steering angle: -0.43476758076752225 (pred)	21.68 (actual)
Steering angle: -0.09899633494334169 (pred)	22.49 (actual)
Steering angle: -0.061348332238231405 (pred)	23.39 (actual)
Steering angle: 0.06304968967179926 (pred)	23.799999999999997 (actual)
Steering angle: 0.1235544935475341 (pred)	23.799999999999997 (actual)
Steering angle: 0.21244428295337253 (pred)	23.799999999999997 (actual)
Steering angle: 0.1431846706655623 (pred)	23.799999999999997 (actual)
Steering angle: 0.15549565975768717 (pred)	24.0 (actual)
Steering angle: 0.08418336218087653 (pred)	24.5 (actual)
Steering angle: 0.12738622967191124 (pred)	25.31 (actual)
Steering angle: 0.062045011533572704 (pred)	26.42 (actual)
Steering angle: 0.04788005296861251 (pred)	27.63 (actual)
Steering angle: 0.04209979194007766 (pred)	28.840000000000003 (actual)
Steering angle: 0.15007078200940455 (pred)	29.95 (actual)
Steering angle: 0.17087020213597431 (pred)	30.96 (actual)
Steering angle: 0.22380758329815814 (pred)	31.560000000000006 (actual)
Steering angle: 0.2118278583807789 (pred)	31.969999999999995 (actual)
Steering angle: 0.18158442106619713 (pred)	32.069999999999999 (actual)
Steering angle: 0.31293237390012735 (pred)	32.37 (actual)
Steering angle: 0.30490626129512766 (pred)	32.67 (actual)
Steering angle: 0.32626404938634596 (pred)	33.180000000000001 (actual)
Steering angle: 0.31686442842793905 (pred)	33.68 (actual)
Steering angle: 0.3920569137835516 (pred)	34.49 (actual)
Steering angle: 0.5094872889665231 (pred)	35.39 (actual)
Steering angle: 0.5405266567628229 (pred)	35.9 (actual)
Steering angle: 0.8143623875235625 (pred)	36.299999999999999 (actual)
Steering angle: 1.022666722066261 (pred)	36.71 (actual)
Steering angle: 1.4921442569787302 (pred)	37.009999999999999 (actual)
Steering angle: 2.405105120926481 (pred)	37.71 (actual)
Steering angle: 3.705871532786274 (pred)	38.52 (actual)
Steering angle: 5.6830076724903344 (pred)	39.930000000000001 (actual)
Steering angle: 6.586888440266788 (pred)	41.24 (actual)
Steering angle: 8.59646925918888 (pred)	42.15 (actual)
Steering angle: 9.577900848575304 (pred)	42.45 (actual)
Steering angle: 10.948364645160021 (pred)	42.45 (actual)



Steering angle: 11.418549744981823 (pred)	42.45 (actual)
Steering angle: 11.182243128945952 (pred)	42.45 (actual)
Steering angle: 11.13405187548328 (pred)	42.76 (actual)
Steering angle: 11.064862912964697 (pred)	42.959999999999994 (actual)
Steering angle: 11.008076720205212 (pred)	42.959999999999994 (actual)
Steering angle: 10.929046308866287 (pred)	42.66 (actual)
Steering angle: 10.564550702487617 (pred)	42.55 (actual)
Steering angle: 9.840231339122568 (pred)	42.55 (actual)
Steering angle: 8.876425052889362 (pred)	42.55 (actual)
Steering angle: 8.963682427083567 (pred)	43.16 (actual)
Steering angle: 9.854808670358668 (pred)	44.57 (actual)
Steering angle: 12.163312718306367 (pred)	46.08 (actual)
Steering angle: 11.324160799520477 (pred)	47.19 (actual)
Steering angle: 10.733222224041082 (pred)	47.599999999999994 (actual)
Steering angle: 9.924001901745482 (pred)	48.100000000000001 (actual)
Steering angle: 10.309219448292323 (pred)	48.710000000000001 (actual)
Steering angle: 10.261266397676957 (pred)	49.82 (actual)
Steering angle: 8.4065951229044 (pred)	51.43 (actual)
Steering angle: 5.508651726000126 (pred)	52.740000000000001 (actual)
Steering angle: 3.8461759980562067 (pred)	53.95 (actual)
Steering angle: 5.705475152878268 (pred)	56.37 (actual)
Steering angle: 9.931331548498552 (pred)	57.779999999999994 (actual)
Steering angle: 27.0364773766059 (pred)	58.89 (actual)
Steering angle: 18.066680222667884 (pred)	59.9 (actual)
Steering angle: 25.320805574084986 (pred)	60.910000000000004 (actual)
Steering angle: 30.606436255758563 (pred)	61.41 (actual)
Steering angle: 16.868485749781932 (pred)	61.41 (actual)
Steering angle: 12.171537119840707 (pred)	62.52 (actual)
Steering angle: 12.69174908646462 (pred)	64.54 (actual)
Steering angle: 12.800487405598515 (pred)	66.45 (actual)
Steering angle: 11.529921955814403 (pred)	67.659999999999998 (actual)
Steering angle: 11.004071668030646 (pred)	68.269999999999998 (actual)
Steering angle: 10.74997326298054 (pred)	69.18 (actual)
Steering angle: 11.486595504588074 (pred)	70.29 (actual)
Steering angle: 11.5107444921723 (pred)	71.6 (actual)
Steering angle: 12.059557875945641 (pred)	72.3 (actual)
Steering angle: 12.284416241158922 (pred)	72.4 (actual)
Steering angle: 11.673517291603813 (pred)	72.4 (actual)
Steering angle: 11.895309755653406 (pred)	72.4 (actual)
Steering angle: 9.736951194909159 (pred)	71.9 (actual)
Steering angle: 8.609780444107587 (pred)	71.19 (actual)
Steering angle: 6.462454773307027 (pred)	70.49 (actual)
Steering angle: 4.434344078053514 (pred)	69.58 (actual)
Steering angle: 4.169050992953757 (pred)	69.279999999999999 (actual)
Steering angle: 3.2866426323805307 (pred)	69.079999999999998 (actual)
Steering angle: 3.512904814911662 (pred)	68.87 (actual)
Steering angle: 3.3070072682777467 (pred)	68.67 (actual)
Steering angle: 3.311069096399789 (pred)	68.469999999999998 (actual)

Steering angle: 4.692082973931238 (pred)	68.26999999999998 (actual)
Steering angle: 6.231318183586033 (pred)	67.65999999999998 (actual)
Steering angle: 10.235021395791183 (pred)	67.36 (actual)
Steering angle: 10.752483357500518 (pred)	67.36 (actual)
Steering angle: 11.563007392153946 (pred)	67.36 (actual)
Steering angle: 11.904136067608354 (pred)	67.36 (actual)
Steering angle: 11.226741811388585 (pred)	67.36 (actual)
Steering angle: 7.637716459167835 (pred)	67.36 (actual)
Steering angle: 3.218521527249997 (pred)	67.36 (actual)
Steering angle: 3.159869839073451 (pred)	67.36 (actual)
Steering angle: 2.281040924512135 (pred)	67.36 (actual)
Steering angle: -0.08859054174282727 (pred)	0.0 (actual)
Steering angle: -0.43213240840836675 (pred)	67.45999999999998 (actual)
Steering angle: -0.7608416655175773 (pred)	0.0 (actual)
Steering angle: -0.010151795540754576 (pred)	67.56 (actual)
Steering angle: 0.3958811793885241 (pred)	67.75999999999999 (actual)
Steering angle: 5.448480747620076 (pred)	68.26999999999998 (actual)
Steering angle: 17.863857755264355 (pred)	69.18 (actual)
Steering angle: 20.271434550896736 (pred)	69.88 (actual)
Steering angle: 18.18567919348243 (pred)	70.69 (actual)
Steering angle: 14.747729087965899 (pred)	71.39 (actual)
Steering angle: 23.34663501714118 (pred)	72.0 (actual)
Steering angle: 23.972693571559134 (pred)	72.4 (actual)
Steering angle: 23.267814634119233 (pred)	73.01 (actual)
Steering angle: 20.33731514053609 (pred)	73.40999999999998 (actual)
Steering angle: 17.96580174372138 (pred)	73.40999999999998 (actual)
Steering angle: 16.931422527889016 (pred)	73.51 (actual)
Steering angle: 12.094619798276256 (pred)	73.71 (actual)
Steering angle: 11.211846022582433 (pred)	74.01999999999998 (actual)
Steering angle: 10.80610461135335 (pred)	74.21999999999998 (actual)
Steering angle: 10.328456676089663 (pred)	74.62 (actual)
Steering angle: 10.14583620070374 (pred)	75.03 (actual)
Steering angle: 9.165477804790655 (pred)	75.43 (actual)
Steering angle: 6.187929406883527 (pred)	75.43 (actual)
Steering angle: 5.422139269312275 (pred)	75.53000000000002 (actual)
Steering angle: 3.723188196766372 (pred)	75.73000000000002 (actual)
Steering angle: 3.2717745912178824 (pred)	76.13 (actual)
Steering angle: 2.3725626846259553 (pred)	76.24000000000001 (actual)
Steering angle: 2.0688803078527296 (pred)	76.44 (actual)
Steering angle: 1.584861300197303 (pred)	76.44 (actual)
Steering angle: 1.0181297689100801 (pred)	76.44 (actual)
Steering angle: 1.2166206157193513 (pred)	76.44 (actual)
Steering angle: 0.9101088330824475 (pred)	76.44 (actual)
Steering angle: 1.1105482047958763 (pred)	76.34000000000002 (actual)
Steering angle: 0.3842978188864171 (pred)	75.63 (actual)
Steering angle: 0.2506628198975904 (pred)	74.82 (actual)
Steering angle: 0.12214598047463053 (pred)	74.52 (actual)
Steering angle: 0.09335822722690773 (pred)	74.52 (actual)

Steering angle: 0.2633541651491204 (pred)	74.52 (actual)
Steering angle: 0.32558060358252155 (pred)	74.52 (actual)
Steering angle: 0.3374104912249836 (pred)	74.52 (actual)
Steering angle: 0.2452609940377566 (pred)	74.52 (actual)
Steering angle: 0.12348896642018428 (pred)	74.52 (actual)
Steering angle: -0.0816625954903187 (pred)	74.21999999999998 (actual)
Steering angle: -0.4530780372718571 (pred)	73.92 (actual)
Steering angle: -0.8915343470780094 (pred)	73.51 (actual)
Steering angle: -1.4869437082560002 (pred)	72.91 (actual)
Steering angle: -3.0671152298144433 (pred)	72.1 (actual)
Steering angle: -3.447361252419162 (pred)	70.59000000000002 (actual)
Steering angle: -3.0212266038757125 (pred)	69.38 (actual)
Steering angle: -2.233158950552818 (pred)	67.87 (actual)
Steering angle: -2.849954060908942 (pred)	66.76 (actual)
Steering angle: -2.863591387360519 (pred)	65.65000000000002 (actual)
Steering angle: -3.7622346807040423 (pred)	0.0 (actual)
Steering angle: -5.696877225373692 (pred)	65.24 (actual)
Steering angle: -4.8032810149399845 (pred)	65.24 (actual)
Steering angle: -4.54243096789532 (pred)	65.34 (actual)
Steering angle: -3.5413139195472723 (pred)	66.35 (actual)
Steering angle: -2.487303459379823 (pred)	67.56 (actual)
Steering angle: -1.6936158410304774 (pred)	70.18000000000002 (actual)
Steering angle: 2.361158189702738 (pred)	72.71 (actual)
Steering angle: 3.613841137022699 (pred)	74.82 (actual)
Steering angle: 3.6139862785425616 (pred)	76.54000000000002 (actual)
Steering angle: 5.3719019473063625 (pred)	77.34 (actual)
Steering angle: 3.842820667626438 (pred)	78.15 (actual)
Steering angle: 3.410321136550183 (pred)	78.95999999999998 (actual)
Steering angle: 2.479511280753896 (pred)	79.46 (actual)
Steering angle: 2.0036344989193595 (pred)	80.07 (actual)
Steering angle: 1.3406209925536403 (pred)	80.27 (actual)
Steering angle: 0.35824022031599534 (pred)	80.27 (actual)
Steering angle: 0.3769560058588881 (pred)	80.27 (actual)
Steering angle: -0.17326994641217597 (pred)	80.27 (actual)
Steering angle: -0.42175009398312424 (pred)	80.27 (actual)
Steering angle: 0.28029986447992206 (pred)	80.17 (actual)
Steering angle: -0.5011749487466175 (pred)	80.17 (actual)
Steering angle: -2.409372281610447 (pred)	79.87 (actual)
Steering angle: -0.9713673056444109 (pred)	79.26 (actual)
Steering angle: -0.6034335527922865 (pred)	78.05 (actual)
Steering angle: 0.7629961633138932 (pred)	77.04 (actual)
Steering angle: 0.6127981690311971 (pred)	76.03 (actual)
Steering angle: -0.624654523656693 (pred)	74.72000000000001 (actual)
Steering angle: -0.2684908942917931 (pred)	73.81999999999998 (actual)
Steering angle: -0.7915416582894921 (pred)	72.91 (actual)
Steering angle: -1.2929876801687945 (pred)	71.29 (actual)
Steering angle: -1.6040357756316446 (pred)	68.77 (actual)
Steering angle: -2.645849652375567 (pred)	64.84000000000002 (actual)

Steering angle: -3.6243519443817025 (pred)	63.93000000000001 (actual)
Steering angle: -4.053909371472974 (pred)	63.62999999999995 (actual)
Steering angle: -4.681298959005434 (pred)	63.62999999999995 (actual)
Steering angle: -5.35878969164723 (pred)	63.62999999999995 (actual)
Steering angle: -7.598531663899472 (pred)	63.32999999999999 (actual)
Steering angle: -8.856703735434596 (pred)	62.81999999999999 (actual)
Steering angle: -10.395263610135205 (pred)	62.12 (actual)
Steering angle: -13.62470340821688 (pred)	60.910000000000004 (actual)
Steering angle: -12.053467908526928 (pred)	59.29 (actual)
Steering angle: -10.950069631131585 (pred)	57.68000000000001 (actual)
Steering angle: -7.133053418189457 (pred)	55.56 (actual)
Steering angle: -4.379106630688329 (pred)	53.95 (actual)
Steering angle: -0.7270749178083267 (pred)	51.93 (actual)
Steering angle: -1.315868387001514 (pred)	49.92 (actual)
Steering angle: -1.3069276693779674 (pred)	47.39 (actual)
Steering angle: -4.139150132314733 (pred)	45.279999999999994 (actual)
Steering angle: -5.3367375721381975 (pred)	0.0 (actual)
Steering angle: -0.779202494667041 (pred)	40.44 (actual)
Steering angle: -0.5118479730984087 (pred)	0.0 (actual)
Steering angle: 0.7983989547727733 (pred)	34.29 (actual)
Steering angle: 0.8734287962487749 (pred)	31.26 (actual)
Steering angle: 0.7953874816790324 (pred)	29.14 (actual)
Steering angle: 1.0393605581714185 (pred)	26.22 (actual)
Steering angle: 0.5164101125771541 (pred)	24.810000000000002 (actual)
Steering angle: 0.7882465189017841 (pred)	23.7 (actual)
Steering angle: 1.0524636357638533 (pred)	23.189999999999998 (actual)
Steering angle: 1.2727675454612064 (pred)	22.89 (actual)
Steering angle: 1.4477136629843859 (pred)	22.49 (actual)
Steering angle: 1.7585773433396454 (pred)	21.68 (actual)
Steering angle: 1.3180307822040578 (pred)	20.27 (actual)
Steering angle: 1.5685806905369315 (pred)	19.16 (actual)
Steering angle: 1.4142132926527657 (pred)	18.25 (actual)
Steering angle: 1.4517140194038975 (pred)	16.939999999999998 (actual)
Steering angle: 1.7230420035221847 (pred)	15.730000000000002 (actual)
Steering angle: 1.9647713628722216 (pred)	15.43 (actual)
Steering angle: 1.5261519822996354 (pred)	15.33 (actual)
Steering angle: 1.1486871273475814 (pred)	0.0 (actual)
Steering angle: 1.101889659362416 (pred)	15.030000000000001 (actual)
Steering angle: 1.0247392575925367 (pred)	14.82 (actual)
Steering angle: 0.658626177041044 (pred)	14.82 (actual)
Steering angle: 0.5630195369167327 (pred)	14.82 (actual)
Steering angle: 0.991110821213979 (pred)	14.62 (actual)
Steering angle: -1.1576457742176993 (pred)	14.62 (actual)
Steering angle: -6.414052210866908 (pred)	14.62 (actual)
Steering angle: -8.70430001693681 (pred)	14.52 (actual)
Steering angle: -10.551971201583747 (pred)	12.910000000000002 (actual)
Steering angle: -10.463505737680094 (pred)	10.89 (actual)
Steering angle: -8.384880243985638 (pred)	9.380000000000003 (actual)

Steering angle: -7.7129859975950215 (pred)	7.26 (actual)
Steering angle: -7.57601253020594 (pred)	5.949999999999999 (actual)
Steering angle: -8.19142367348149 (pred)	4.74 (actual)
Steering angle: -8.190475130960504 (pred)	3.7300000000000004 (actual)
Steering angle: -9.12063334402129 (pred)	2.92 (actual)
Steering angle: -6.8958247266156345 (pred)	1.51 (actual)
Steering angle: -6.610054734384179 (pred)	0.81 (actual)
Steering angle: -7.1289851867650675 (pred)	0.61 (actual)
Steering angle: -4.7194199523105675 (pred)	0.61 (actual)
Steering angle: -4.551442548731505 (pred)	0.61 (actual)
Steering angle: -4.227869166991321 (pred)	0.61 (actual)
Steering angle: -4.445270673178243 (pred)	0.4 (actual)
Steering angle: -4.888759978629047 (pred)	0.1 (actual)
Steering angle: -2.644084902248765 (pred)	-0.4 (actual)
Steering angle: -1.8831753617263107 (pred)	-1.01 (actual)
Steering angle: -2.3602713323276943 (pred)	-1.41 (actual)
Steering angle: -3.78357731431304 (pred)	-1.51 (actual)
Steering angle: -3.755605982114545 (pred)	-1.6100000000000003 (actual)
Steering angle: -4.148132684846947 (pred)	-2.22 (actual)
Steering angle: -4.8765621145450515 (pred)	-2.32 (actual)
Steering angle: -4.9180905184723755 (pred)	-2.32 (actual)
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Steering angle: -4.156766043957843 (pred)	-2.32 (actual)
Steering angle: -3.3491636227218886 (pred)	-2.32 (actual)
Steering angle: -6.5365482385365015 (pred)	-2.32 (actual)
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Steering angle: -3.7830530972942413 (pred)	-2.32 (actual)
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Steering angle: -3.8613834142432397 (pred)	-2.52 (actual)
Steering angle: -5.366132145004994 (pred)	-2.82 (actual)
Steering angle: -6.762461014202905 (pred)	-3.3299999999999996 (actual)
Steering angle: -8.35574351076001 (pred)	-3.4300000000000006 (actual)
Steering angle: -9.969595975776256 (pred)	-3.63 (actual)
Steering angle: -8.779444050637997 (pred)	-4.929999999999999 (actual)
Steering angle: -5.5275525669808445 (pred)	-4.94 (actual)
Steering angle: -5.3982254963675915 (pred)	-5.849999999999999 (actual)
Steering angle: -7.220327867856587 (pred)	-6.659999999999999 (actual)
Steering angle: -7.35257484434002 (pred)	-7.36 (actual)
Steering angle: -7.868634055948565 (pred)	-7.969999999999999 (actual)
Steering angle: -6.8750532675759795 (pred)	-8.37 (actual)
Steering angle: -8.138326636647458 (pred)	-8.570000000000002 (actual)
Steering angle: -6.31174451483658 (pred)	-8.87 (actual)
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Steering angle: -3.320805531061642 (pred)	-10.79 (actual)
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Steering angle: -4.7975462173581125 (pred)	-13.11 (actual)
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Steering angle: -6.2753216773138405 (pred)	-14.02 (actual)
Steering angle: -3.4836398021956847 (pred)	-14.12 (actual)
Steering angle: -5.057560420003097 (pred)	-14.420000000000002 (actual)
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Steering angle: -3.8700005516548575 (pred)	-17.45 (actual)
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Steering angle: -1.5403340163375205 (pred)	-19.97 (actual)
Steering angle: -1.560200475312149 (pred)	-19.97 (actual)
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Steering angle: 0.7609767751970966 (pred)	-20.57 (actual)
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Steering angle: -0.8414468623470134 (pred)	-19.060000000000002 (actual)
Steering angle: -1.564001048698438 (pred)	-19.060000000000002 (actual)
Steering angle: -1.1824671085483487 (pred)	-19.060000000000002 (actual)
Steering angle: -0.7899660190253348 (pred)	-19.16 (actual)
Steering angle: -1.5485106065476721 (pred)	-19.26 (actual)
Steering angle: -1.8146975926550553 (pred)	-19.26 (actual)
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Steering angle: -5.765381461427981 (pred)	-19.26 (actual)
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Steering angle: 4.750688558330887 (pred)	-18.66 (actual)
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Steering angle: 3.2377719885388547 (pred)	-15.83 (actual)
Steering angle: 1.8377849127101678 (pred)	-15.43 (actual)
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Steering angle: 1.646854871868689 (pred)	-15.230000000000002 (actual)
Steering angle: 1.9011029007503015 (pred)	-14.32 (actual)
Steering angle: 1.9060964093638155 (pred)	-13.21 (actual)
Steering angle: 1.6712388606490463 (pred)	-11.699999999999998 (actual)
Steering angle: 1.3759554821208202 (pred)	-10.08 (actual)
Steering angle: 1.2577780549973787 (pred)	-9.08 (actual)
Steering angle: 1.2889792128996431 (pred)	-8.07 (actual)
Steering angle: 0.8984787284732083 (pred)	-7.969999999999999 (actual)

Steering angle: 0.7700000954209181 (pred)	-7.969999999999999 (actual)
Steering angle: 1.219020359995553 (pred)	-7.969999999999999 (actual)
Steering angle: 1.4133921758484833 (pred)	-7.36 (actual)
Steering angle: 1.4569997320478412 (pred)	-7.36 (actual)
Steering angle: 2.0391873410965684 (pred)	-7.36 (actual)
Steering angle: 1.4662608282321439 (pred)	-7.36 (actual)
Steering angle: -0.7672880834335999 (pred)	-7.36 (actual)
Steering angle: -2.514689102856989 (pred)	-7.26 (actual)
Steering angle: -1.311748502271527 (pred)	-6.860000000000001 (actual)
Steering angle: -1.8657267897178669 (pred)	-6.55 (actual)
Steering angle: -1.0965330835058333 (pred)	-6.150000000000001 (actual)
Steering angle: -3.8542783099591342 (pred)	-5.949999999999999 (actual)
Steering angle: -4.0803763545067735 (pred)	-5.949999999999999 (actual)
Steering angle: -4.449577107449936 (pred)	-5.849999999999999 (actual)
Steering angle: -1.895654544226747 (pred)	-4.94 (actual)
Steering angle: -6.7190628459902895 (pred)	-3.9300000000000006 (actual)
Steering angle: -9.264190259996617 (pred)	-3.4300000000000006 (actual)
Steering angle: -14.447656679612436 (pred)	-2.82 (actual)
Steering angle: -13.941653214009444 (pred)	-2.22 (actual)
Steering angle: -12.305780219109076 (pred)	-1.82 (actual)
Steering angle: -6.16522244298782 (pred)	-1.41 (actual)
Steering angle: -3.7367742967991737 (pred)	-1.01 (actual)
Steering angle: -2.823966471777513 (pred)	-0.81 (actual)
Steering angle: -2.856254483531456 (pred)	-0.81 (actual)
Steering angle: -2.928688639679441 (pred)	-0.81 (actual)
Steering angle: -1.9523404185827984 (pred)	-1.11 (actual)
Steering angle: -3.1244482645943537 (pred)	-1.11 (actual)
Steering angle: -1.4390602401928028 (pred)	-1.11 (actual)
Steering angle: -1.748496837898353 (pred)	-1.11 (actual)
Steering angle: -1.2846134413595356 (pred)	-1.11 (actual)
Steering angle: -1.6254723243417295 (pred)	-1.11 (actual)
Steering angle: -0.34652537867236566 (pred)	0.0 (actual)
Steering angle: 0.04290020473343853 (pred)	-0.91 (actual)
Steering angle: -0.062194421921666736 (pred)	-0.81 (actual)
Steering angle: -0.4853617801575686 (pred)	-0.81 (actual)
Steering angle: -0.4104200908105424 (pred)	-0.71 (actual)
Steering angle: 0.0012840755639623972 (pred)	-0.5 (actual)
Steering angle: 0.1366966312842849 (pred)	0.0 (actual)
Steering angle: -0.5124306736119754 (pred)	0.4 (actual)
Steering angle: -1.0533206110612783 (pred)	0.91 (actual)
Steering angle: -0.9481506388818913 (pred)	1.01 (actual)
Steering angle: -0.32713105652411445 (pred)	1.01 (actual)
Steering angle: -0.18310926079840245 (pred)	1.01 (actual)
Steering angle: -0.1745348120690977 (pred)	1.11 (actual)
Steering angle: -0.6084942960804428 (pred)	1.31 (actual)
Steering angle: -0.9899804249063419 (pred)	1.51 (actual)
Steering angle: -0.7009759112160617 (pred)	2.02 (actual)
Steering angle: -0.40523896543826465 (pred)	2.7200000000000006 (actual)



Steering angle: -0.4191665749295669 (pred)	3.829999999999999 (actual)
Steering angle: -0.3070622531953245 (pred)	4.84 (actual)
Steering angle: -0.41129648945841973 (pred)	5.55 (actual)
Steering angle: -0.3606642971411152 (pred)	5.65 (actual)
Steering angle: -0.19237697372846352 (pred)	5.65 (actual)
Steering angle: -0.27721091142778376 (pred)	5.849999999999999 (actual)
Steering angle: -0.5430653526999519 (pred)	6.150000000000001 (actual)
Steering angle: -0.3853161574029837 (pred)	6.25 (actual)
Steering angle: -0.5639516442950279 (pred)	6.25 (actual)
Steering angle: -0.9057151004554252 (pred)	6.25 (actual)
Steering angle: -1.1692903929789247 (pred)	6.25 (actual)
Steering angle: -1.4640958717086614 (pred)	6.25 (actual)
Steering angle: -1.2876524486533683 (pred)	6.25 (actual)
Steering angle: -1.556728604779667 (pred)	6.150000000000001 (actual)
Steering angle: -1.8039759032054277 (pred)	6.150000000000001 (actual)
Steering angle: -2.0133011375856316 (pred)	6.150000000000001 (actual)
Steering angle: -1.895148683341343 (pred)	6.25 (actual)
Steering angle: -1.9572812066736565 (pred)	6.150000000000001 (actual)
Steering angle: -2.182387166244352 (pred)	6.25 (actual)
Steering angle: -4.272615443791367 (pred)	6.150000000000001 (actual)
Steering angle: -3.301560192414662 (pred)	6.25 (actual)
Steering angle: -3.8020785892273117 (pred)	6.25 (actual)
Steering angle: -3.816402349690475 (pred)	6.25 (actual)
Steering angle: -5.263882505582611 (pred)	6.25 (actual)
Steering angle: -4.500239181844859 (pred)	6.35 (actual)
Steering angle: -4.184482097836108 (pred)	6.35 (actual)
Steering angle: -6.299769485674254 (pred)	6.35 (actual)
Steering angle: -6.366055617795582 (pred)	6.35 (actual)
Steering angle: -1.5008068578370106 (pred)	6.35 (actual)
Steering angle: -0.2583224501649366 (pred)	6.35 (actual)
Steering angle: 0.27989709676230284 (pred)	6.35 (actual)
Steering angle: 0.3371208485154928 (pred)	6.35 (actual)
Steering angle: 0.39323191976420535 (pred)	6.25 (actual)
Steering angle: -0.31003125105016444 (pred)	5.849999999999999 (actual)
Steering angle: -1.8027157333035604 (pred)	5.45 (actual)
Steering angle: -1.4749084880516148 (pred)	5.139999999999999 (actual)
Steering angle: -2.1532103056573497 (pred)	5.04 (actual)
Steering angle: -0.5767044612490879 (pred)	5.04 (actual)
Steering angle: -0.2385289888370628 (pred)	4.64 (actual)
Steering angle: -0.5485034639397515 (pred)	4.34 (actual)
Steering angle: -0.9964212932936639 (pred)	3.7300000000000004 (actual)
Steering angle: -2.695517080472607 (pred)	3.03 (actual)
Steering angle: -5.106118796133656 (pred)	2.7200000000000006 (actual)
Steering angle: -6.275889436788598 (pred)	2.62 (actual)
Steering angle: -6.0223101261154115 (pred)	2.62 (actual)
Steering angle: -3.3119629974074143 (pred)	2.62 (actual)
Steering angle: -0.6983526916879538 (pred)	2.62 (actual)
Steering angle: -0.16972849332752435 (pred)	2.42 (actual)

Steering angle: 0.4321170404827342 (pred)	2.12 (actual)
Steering angle: 0.5291315533497144 (pred)	1.82 (actual)
Steering angle: 0.4877013333917095 (pred)	1.82 (actual)
Steering angle: 0.19059045237368205 (pred)	1.82 (actual)
Steering angle: 0.1158513208242291 (pred)	1.82 (actual)
Steering angle: 0.22011052996647718 (pred)	1.82 (actual)
Steering angle: -0.36041029948135533 (pred)	1.82 (actual)
Steering angle: -0.04868131953561963 (pred)	1.82 (actual)
Steering angle: -0.05611512667353226 (pred)	1.82 (actual)
Steering angle: -1.159795576258961 (pred)	1.92 (actual)
Steering angle: -1.147773589546092 (pred)	2.12 (actual)
Steering angle: -0.663814986376138 (pred)	2.52 (actual)
Steering angle: 0.1787644067126281 (pred)	2.62 (actual)
Steering angle: 0.24270351508040997 (pred)	2.62 (actual)
Steering angle: 0.6198230185925553 (pred)	2.7200000000000006 (actual)
Steering angle: 0.4791640238160167 (pred)	3.13 (actual)
Steering angle: 0.3798882914469392 (pred)	3.8299999999999999 (actual)
Steering angle: 0.24763042934951635 (pred)	4.54 (actual)
Steering angle: -0.14964176075216312 (pred)	5.1399999999999999 (actual)
Steering angle: -0.5019663969166928 (pred)	6.9499999999999999 (actual)
Steering angle: -1.8371859904973222 (pred)	6.55 (actual)
Steering angle: -1.500713369622746 (pred)	7.16 (actual)
Steering angle: -0.5702055362538208 (pred)	7.36 (actual)
Steering angle: -2.788832832460614 (pred)	7.4600000000000001 (actual)
Steering angle: -4.32941615070284 (pred)	7.4600000000000001 (actual)
Steering angle: -0.3138053574534196 (pred)	7.7600000000000002 (actual)
Steering angle: 1.2147615236046385 (pred)	7.7600000000000002 (actual)
Steering angle: 1.878056134943386 (pred)	7.7600000000000002 (actual)
Steering angle: 2.4262972769303266 (pred)	7.9699999999999999 (actual)
Steering angle: 1.7956913106290253 (pred)	0.0 (actual)
Steering angle: 0.5486686691403012 (pred)	8.07 (actual)
Steering angle: -1.0832355589654648 (pred)	8.07 (actual)
Steering angle: -0.3308846723598596 (pred)	8.37 (actual)
Steering angle: 0.326527225112803 (pred)	8.5700000000000002 (actual)
Steering angle: 0.5736513666900922 (pred)	8.77 (actual)
Steering angle: 0.14879118875708497 (pred)	8.97 (actual)
Steering angle: 0.5663607800813383 (pred)	9.88 (actual)
Steering angle: 0.5111628197472917 (pred)	11.6 (actual)
Steering angle: 0.5490556420454646 (pred)	13.41 (actual)
Steering angle: 0.7268414107160769 (pred)	15.53 (actual)
Steering angle: 1.1182703739828104 (pred)	16.939999999999998 (actual)
Steering angle: 4.28549419235825 (pred)	18.45 (actual)
Steering angle: 4.370865153681062 (pred)	19.66 (actual)
Steering angle: 2.844120652470928 (pred)	21.479999999999997 (actual)
Steering angle: 3.362873519933397 (pred)	22.789999999999996 (actual)
Steering angle: 1.4475365049527886 (pred)	24.200000000000003 (actual)
Steering angle: 0.6653118650214286 (pred)	26.22 (actual)
Steering angle: 1.5549819973428476 (pred)	27.33 (actual)

Steering angle: 4.044746245814579 (pred)	27.73 (actual)
Steering angle: 5.901821320288155 (pred)	27.73 (actual)
Steering angle: 9.743947869940191 (pred)	27.73 (actual)
Steering angle: 9.9587667108472 (pred)	27.73 (actual)
Steering angle: 9.959638413740024 (pred)	27.73 (actual)
Steering angle: 10.219913017347114 (pred)	28.03 (actual)
Steering angle: 7.940370679027562 (pred)	28.44 (actual)
Steering angle: 4.970201446744987 (pred)	0.0 (actual)
Steering angle: 7.142127324501819 (pred)	29.849999999999998 (actual)
Steering angle: 6.11275549110472 (pred)	30.149999999999995 (actual)
Steering angle: 5.538248643221084 (pred)	30.149999999999995 (actual)
Steering angle: 4.265974365483999 (pred)	30.149999999999995 (actual)
Steering angle: 4.034994016340271 (pred)	30.149999999999995 (actual)
Steering angle: 2.4779542110665447 (pred)	30.25 (actual)
Steering angle: 2.15188012631649 (pred)	30.25 (actual)
Steering angle: 2.0346074858146634 (pred)	0.0 (actual)
Steering angle: 1.815323195294346 (pred)	30.25 (actual)
Steering angle: 2.2537263576910194 (pred)	30.25 (actual)
Steering angle: 2.5689652010964954 (pred)	30.25 (actual)
Steering angle: 2.4140330319453343 (pred)	30.25 (actual)
Steering angle: 1.8749693163253633 (pred)	30.25 (actual)
Steering angle: 1.926151765757677 (pred)	30.35 (actual)
Steering angle: 1.9066146499670904 (pred)	30.449999999999992 (actual)
Steering angle: 1.5697921953409624 (pred)	30.66 (actual)
Steering angle: 1.5081085435031658 (pred)	30.96 (actual)
Steering angle: 2.007867935544298 (pred)	31.06 (actual)
Steering angle: 1.8822174276952164 (pred)	31.06 (actual)
Steering angle: 1.8044401426255772 (pred)	31.159999999999993 (actual)
Steering angle: 1.6678623993215327 (pred)	31.159999999999993 (actual)
Steering angle: 1.2942647121001754 (pred)	30.76 (actual)
Steering angle: 1.0936616292900776 (pred)	29.75 (actual)
Steering angle: 0.6007396834949512 (pred)	27.830000000000002 (actual)
Steering angle: 0.870615612084376 (pred)	26.62 (actual)
Steering angle: 0.9045174694731458 (pred)	26.12 (actual)
Steering angle: 0.9247939532413865 (pred)	26.02 (actual)
Steering angle: 0.6945100699495869 (pred)	26.02 (actual)
Steering angle: 0.6639774168123374 (pred)	26.02 (actual)
Steering angle: 0.7673745280152829 (pred)	26.02 (actual)
Steering angle: 0.7265575309786982 (pred)	26.12 (actual)
Steering angle: 0.8190045682816439 (pred)	26.12 (actual)
Steering angle: 0.7788936420505094 (pred)	26.12 (actual)
Steering angle: 0.6853435291966067 (pred)	26.22 (actual)
Steering angle: 0.8118612576268684 (pred)	26.22 (actual)
Steering angle: 1.0959582803984944 (pred)	26.520000000000003 (actual)
Steering angle: 1.1331836651487102 (pred)	26.82 (actual)
Steering angle: 1.3620487900838512 (pred)	27.92 (actual)
Steering angle: 1.2687358128601949 (pred)	27.03 (actual)
Steering angle: 1.055259744455327 (pred)	27.03 (actual)

Steering angle: 0.9470112779509685 (pred)	27.03 (actual)
Steering angle: 0.3225616599693759 (pred)	27.03 (actual)
Steering angle: 0.26328415571012775 (pred)	27.03 (actual)
Steering angle: -0.03800658763653595 (pred)	27.03 (actual)
Steering angle: -0.5065942769661995 (pred)	27.03 (actual)
Steering angle: -0.9687078007363372 (pred)	27.03 (actual)
Steering angle: -1.490791239192833 (pred)	27.130000000000003 (actual)
Steering angle: -1.930515402863669 (pred)	27.33 (actual)
Steering angle: -1.880750644570956 (pred)	27.530000000000005 (actual)
Steering angle: -1.9034294339363371 (pred)	27.530000000000005 (actual)
Steering angle: -1.5196940384393882 (pred)	27.530000000000005 (actual)
Steering angle: -1.0210424177042674 (pred)	27.530000000000005 (actual)
Steering angle: -1.4948244658977257 (pred)	27.530000000000005 (actual)
Steering angle: -1.7094614530180838 (pred)	27.530000000000005 (actual)
Steering angle: -5.268163326644916 (pred)	28.13 (actual)
Steering angle: -5.664811194767774 (pred)	0.0 (actual)
Steering angle: -3.1097612234447105 (pred)	30.66 (actual)
Steering angle: -1.974439922529198 (pred)	31.76 (actual)
Steering angle: -0.5889369031657576 (pred)	32.87 (actual)
Steering angle: 0.15380369383422807 (pred)	33.78 (actual)
Steering angle: -1.8839382084792364 (pred)	34.59 (actual)
Steering angle: -5.153938658060208 (pred)	35.29 (actual)
Steering angle: -6.94646118780117 (pred)	36.0 (actual)
Steering angle: -5.081777709479023 (pred)	36.61 (actual)
Steering angle: -0.8270923660325853 (pred)	37.31 (actual)
Steering angle: 0.94226707124216 (pred)	37.92 (actual)
Steering angle: 3.5687926243518797 (pred)	38.52 (actual)
Steering angle: 1.8957010748904677 (pred)	39.03 (actual)
Steering angle: 3.757249923270402 (pred)	39.33 (actual)
Steering angle: 4.216567765235889 (pred)	39.930000000000001 (actual)
Steering angle: 3.4126784055874837 (pred)	40.44 (actual)
Steering angle: 1.765525353272841 (pred)	0.0 (actual)
Steering angle: 0.7155039370240904 (pred)	41.34 (actual)
Steering angle: -2.6411316992063805 (pred)	41.65 (actual)
Steering angle: -4.386995499179694 (pred)	42.05 (actual)
Steering angle: -6.0005192613421325 (pred)	42.15 (actual)
Steering angle: -4.832714861394508 (pred)	42.66 (actual)
Steering angle: -4.700731700967767 (pred)	43.56 (actual)
Steering angle: -7.447126006794153 (pred)	45.08 (actual)
Steering angle: -13.022717855528635 (pred)	46.39 (actual)
Steering angle: -6.783099284553744 (pred)	48.400000000000006 (actual)
Steering angle: -4.283466053061579 (pred)	50.62 (actual)
Steering angle: -10.13298349223307 (pred)	52.34 (actual)
Steering angle: -6.866692262258238 (pred)	53.75 (actual)
Steering angle: -3.0823994856296393 (pred)	54.66 (actual)
Steering angle: -5.03147336624188 (pred)	55.26 (actual)
Steering angle: -4.86165949554973 (pred)	55.87 (actual)
Steering angle: -3.1707928056601826 (pred)	56.17 (actual)

Steering angle: -2.151735838570273 (pred)	56.17 (actual)
Steering angle: 0.4642840298223208 (pred)	56.17 (actual)
Steering angle: 2.255348527618897 (pred)	56.27 (actual)
Steering angle: 0.2152192607471018 (pred)	56.27 (actual)
Steering angle: 0.9694236899387192 (pred)	56.27 (actual)
Steering angle: 0.2961164481635559 (pred)	56.27 (actual)
Steering angle: 9.32899253352076 (pred)	56.27 (actual)
Steering angle: 9.634608494159334 (pred)	55.970000000000006 (actual)
Steering angle: 12.573177002473198 (pred)	55.76 (actual)
Steering angle: 10.517986741594703 (pred)	55.46 (actual)
Steering angle: 8.12062364009243 (pred)	54.96 (actual)
Steering angle: 6.280309849842065 (pred)	53.85 (actual)
Steering angle: 4.155657845765008 (pred)	53.040000000000006 (actual)
Steering angle: 2.079979151810589 (pred)	51.63 (actual)
Steering angle: 0.7574479152737271 (pred)	50.82 (actual)
Steering angle: -4.85855261325102 (pred)	50.12 (actual)
Steering angle: -1.4459676958778014 (pred)	48.91 (actual)
Steering angle: -1.2576004700789585 (pred)	47.289999999999999 (actual)
Steering angle: -0.061925056336274355 (pred)	45.68 (actual)
Steering angle: 0.5568467534543337 (pred)	43.46 (actual)
Steering angle: 0.6465999214599439 (pred)	40.939999999999999 (actual)
Steering angle: 0.6678620869027821 (pred)	39.23 (actual)
Steering angle: 0.4589953289706153 (pred)	38.120000000000005 (actual)
Steering angle: 0.4267421084927573 (pred)	36.61 (actual)
Steering angle: 0.32808322758309655 (pred)	34.69 (actual)
Steering angle: 0.17951295275697918 (pred)	31.359999999999996 (actual)
Steering angle: 0.7827712685083725 (pred)	28.13 (actual)
Steering angle: 0.5646952811409129 (pred)	24.61 (actual)
Steering angle: 0.5200211482139752 (pred)	22.179999999999996 (actual)
Steering angle: 0.5598949388148634 (pred)	20.57 (actual)
Steering angle: 0.4186067128610374 (pred)	19.060000000000002 (actual)
Steering angle: -1.1653660224139293 (pred)	17.850000000000005 (actual)
Steering angle: -0.5688992625750559 (pred)	17.04 (actual)
Steering angle: -0.03789901215710825 (pred)	15.43 (actual)
Steering angle: -0.1719581232047104 (pred)	13.82 (actual)
Steering angle: -0.30570688753190006 (pred)	11.39 (actual)
Steering angle: -1.465302680757638 (pred)	9.78 (actual)
Steering angle: -3.6614031593080827 (pred)	7.06 (actual)
Steering angle: -2.4746714513967074 (pred)	5.65 (actual)
Steering angle: -3.900173766087035 (pred)	4.64 (actual)
Steering angle: -3.3629926213570487 (pred)	4.13 (actual)
Steering angle: -1.0639859514502532 (pred)	3.3299999999999996 (actual)
Steering angle: -2.8428523717194216 (pred)	2.82 (actual)
Steering angle: -1.3061332330001303 (pred)	2.22 (actual)
Steering angle: -2.4676103164553838 (pred)	1.71 (actual)
Steering angle: -1.1043545038791442 (pred)	0.0 (actual)
Steering angle: -0.11922863592538883 (pred)	0.71 (actual)
Steering angle: -1.0458693015636176 (pred)	0.3 (actual)

Steering angle: -1.7582721192611106 (pred)	0.0 (actual)
Steering angle: -1.3135580755147571 (pred)	-0.1 (actual)
Steering angle: 0.23539841431966976 (pred)	-0.4 (actual)
Steering angle: 0.5609956664882932 (pred)	-0.81 (actual)
Steering angle: 0.8979242024899678 (pred)	-1.21 (actual)
Steering angle: 0.3321377986291454 (pred)	-1.6100000000000003 (actual)
Steering angle: 0.4951803905328735 (pred)	0.0 (actual)
Steering angle: 3.472715128061661 (pred)	-1.92 (actual)
Steering angle: 3.708678313648326 (pred)	-2.12 (actual)
Steering angle: 2.265367774801071 (pred)	-2.62 (actual)
Steering angle: 2.3348613210679545 (pred)	-3.4300000000000006 (actual)
Steering angle: 4.839975352482232 (pred)	-4.03 (actual)
Steering angle: -0.8485178156852691 (pred)	-5.04 (actual)
Steering angle: -0.5274169624246297 (pred)	-5.65 (actual)
Steering angle: -0.2377345524592257 (pred)	-5.949999999999999 (actual)
Steering angle: -0.1515465297569504 (pred)	-6.050000000000001 (actual)
Steering angle: -0.12967455648727708 (pred)	-6.150000000000001 (actual)
Steering angle: -0.18452609816435697 (pred)	-6.150000000000001 (actual)
Steering angle: -2.0954806930187555 (pred)	-6.25 (actual)
Steering angle: -2.865562323822891 (pred)	-6.55 (actual)
Steering angle: -3.974986535613477 (pred)	-7.26 (actual)
Steering angle: -6.088275239345749 (pred)	-8.27 (actual)
Steering angle: -2.4095468783211054 (pred)	-9.18 (actual)
Steering angle: -1.6554116047948342 (pred)	-10.08 (actual)
Steering angle: -1.1754418321001676 (pred)	-10.69 (actual)
Steering angle: -1.1026691547014436 (pred)	-10.99 (actual)
Steering angle: -0.3430996119167811 (pred)	-11.19 (actual)
Steering angle: -0.32610012484626566 (pred)	-11.39 (actual)
Steering angle: 19.69303705650713 (pred)	-11.699999999999998 (actual)
Steering angle: 29.835710879625154 (pred)	-11.8 (actual)
Steering angle: 38.310920375384214 (pred)	-11.899999999999999 (actual)
Steering angle: 35.730222189954105 (pred)	-12.300000000000002 (actual)
Steering angle: -7.290805174807363 (pred)	-12.81 (actual)
Steering angle: 22.167583856951484 (pred)	-13.51 (actual)
Steering angle: 21.62973378056966 (pred)	-14.12 (actual)
Steering angle: 22.774097825059446 (pred)	-14.62 (actual)
Steering angle: -1.257636755458924 (pred)	-15.230000000000002 (actual)
Steering angle: -0.05858381317166874 (pred)	-15.53 (actual)
Steering angle: -1.3075944665956898 (pred)	-16.03 (actual)
Steering angle: -5.208419661974815 (pred)	-16.44 (actual)
Steering angle: 4.006059200581981 (pred)	-16.84 (actual)
Steering angle: -8.4995027710895 (pred)	-17.239999999999995 (actual)
Steering angle: -8.775007842772073 (pred)	-17.45 (actual)
Steering angle: -9.413331709392077 (pred)	-18.05 (actual)
Steering angle: -5.2091479308950674 (pred)	-18.96 (actual)
Steering angle: -1.181494233478445 (pred)	-20.370000000000005 (actual)
Steering angle: 3.062492045519991 (pred)	-21.78 (actual)
Steering angle: -1.7847672768252363 (pred)	-23.189999999999998 (actual)

Steering angle: -4.8045574065411305 (pred)	-25.31 (actual)
Steering angle: -10.824984961766557 (pred)	-27.12 (actual)
Steering angle: -11.788967125370892 (pred)	-28.54 (actual)
Steering angle: -11.985528016852811 (pred)	-29.75 (actual)
Steering angle: -5.610774153149218 (pred)	-30.449999999999992 (actual)
Steering angle: -4.036925252328091 (pred)	-31.560000000000006 (actual)
Steering angle: -2.277961576413517 (pred)	-32.37 (actual)
Steering angle: -5.858539265291431 (pred)	-32.97 (actual)
Steering angle: -5.6846383801546745 (pred)	-33.38 (actual)
Steering angle: -6.870873191803932 (pred)	-33.78 (actual)
Steering angle: -5.681139615752336 (pred)	-34.08 (actual)
Steering angle: -4.103858544873278 (pred)	-34.49 (actual)
Steering angle: -4.369748417751765 (pred)	-34.990000000000001 (actual)
Steering angle: -4.48969763863459 (pred)	-35.599999999999994 (actual)
Steering angle: -4.558856719075554 (pred)	-36.29999999999999 (actual)
Steering angle: -3.6142500945992535 (pred)	-37.00999999999999 (actual)
Steering angle: -3.468343166662618 (pred)	-37.92 (actual)
Steering angle: -4.128927046674517 (pred)	-38.32 (actual)
Steering angle: -3.868604631743236 (pred)	-38.32 (actual)
Steering angle: -2.6237736272044394 (pred)	-38.32 (actual)
Steering angle: -1.7328996740418057 (pred)	-38.32 (actual)
Steering angle: -1.51750368214993 (pred)	-38.32 (actual)
Steering angle: -0.6195502379125779 (pred)	-38.32 (actual)
Steering angle: -0.4055113192314189 (pred)	-38.32 (actual)
Steering angle: -0.0752750879558874 (pred)	-38.32 (actual)
Steering angle: -0.2092620551303813 (pred)	-38.32 (actual)
Steering angle: -0.8561864105759008 (pred)	-38.32 (actual)
Steering angle: -0.8384923786441597 (pred)	-38.22 (actual)
Steering angle: -0.8260840593563622 (pred)	-37.82 (actual)
Steering angle: -0.4287446345800404 (pred)	-37.61 (actual)
Steering angle: -0.778042216281785 (pred)	-37.61 (actual)
Steering angle: -0.8048349139616294 (pred)	-37.61 (actual)
Steering angle: -0.30970126753588817 (pred)	-37.61 (actual)
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Steering angle: -0.4641788022204203 (pred)	-37.51 (actual)
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Steering angle: 0.16932657938355142 (pred)	-34.79 (actual)
Steering angle: -1.727352279775286 (pred)	-33.38 (actual)
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Steering angle: -2.5061359984688405 (pred)	-31.460000000000004 (actual)
Steering angle: -1.668251506660812 (pred)	-31.460000000000004 (actual)
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Steering angle: -1.114585273482177 (pred)	-31.460000000000004 (actual)
Steering angle: -0.7113855463979843 (pred)	-31.460000000000004 (actual)

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Steering angle: -2.135972188852707 (pred)	-42.86 (actual)
Steering angle: -2.27994361193329 (pred)	-43.36 (actual)
Steering angle: -5.966633839096053 (pred)	-43.46 (actual)
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Steering angle: -8.901711266970395 (pred)	-43.46 (actual)
Steering angle: -9.056314306380926 (pred)	-43.25999999999999 (actual)
Steering angle: -9.894516828872183 (pred)	-42.66 (actual)
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Steering angle: -12.945272048077154 (pred)	-39.93000000000001 (actual)
Steering angle: -11.822160137189861 (pred)	-40.13 (actual)
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Steering angle: -14.812047271832617 (pred)	-45.98 (actual)
Steering angle: -14.88314954109245 (pred)	-48.3 (actual)
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Steering angle: -14.89133552281271 (pred)	-52.44 (actual)
Steering angle: -15.002455870419647 (pred)	-53.85 (actual)
Steering angle: -15.754835358442403 (pred)	-54.86 (actual)
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Steering angle: -15.203417111274348 (pred)	-57.480000000000004 (actual)
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Steering angle: -14.386564052581258 (pred)	-69.07999999999998 (actual)
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Steering angle: -11.066876111222559 (pred)	-70.99 (actual)
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Steering angle: -6.754006093784075 (pred)	-68.37 (actual)
Steering angle: -7.4060475415784035 (pred)	-67.45999999999998 (actual)
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Steering angle: -14.936001544890008 (pred)	-66.15 (actual)
Steering angle: -19.596953370357976 (pred)	-66.15 (actual)
Steering angle: -20.23724945410082 (pred)	-66.15 (actual)
Steering angle: -21.43506997412971 (pred)	-66.05 (actual)
Steering angle: -21.809948321820446 (pred)	-65.95 (actual)
Steering angle: -19.766666495759868 (pred)	-65.95 (actual)
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Steering angle: -21.2182353736439 (pred)	-66.86 (actual)
Steering angle: -21.10256270495515 (pred)	-67.36 (actual)
Steering angle: -22.128672269249922 (pred)	-67.97 (actual)
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Steering angle: -27.23402693797018 (pred)	-69.38 (actual)
Steering angle: -27.555370262946358 (pred)	-69.38 (actual)
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Steering angle: -23.97626576049505 (pred)	-65.24 (actual)
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Steering angle: -21.368380007073707 (pred)	-64.44 (actual)
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Steering angle: -16.26798747078546 (pred)	-58.49 (actual)
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Steering angle: -15.704575411434863 (pred)	-52.94 (actual)
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Steering angle: 0.04724975457426727 (pred)	0.0 (actual)
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Steering angle: 0.5926111180524013 (pred)	-15.030000000000001 (actual)
Steering angle: 0.9604172317444111 (pred)	-13.01 (actual)
Steering angle: 0.8998652568747209 (pred)	-11.19 (actual)
Steering angle: 1.528194849191704 (pred)	-9.28 (actual)
Steering angle: 2.307667776661195 (pred)	-8.17 (actual)
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Steering angle: 2.448582263201374 (pred)	1.82 (actual)
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Steering angle: 1.893024067622646 (pred)	5.74 (actual)
Steering angle: 1.810597344718932 (pred)	6.659999999999999 (actual)
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Steering angle: 1.857915187741488 (pred)	7.16 (actual)
Steering angle: 1.7229769032816582 (pred)	7.16 (actual)
Steering angle: 1.7474133991412597 (pred)	6.96 (actual)
Steering angle: 2.650009664466928 (pred)	6.76 (actual)
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Steering angle: 2.6910868490222075 (pred)	2.32 (actual)
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Steering angle: 2.8558416839734933 (pred)	2.32 (actual)
Steering angle: 3.0772036326619636 (pred)	2.82 (actual)
Steering angle: 3.414560976477468 (pred)	3.3299999999999996 (actual)

Steering angle: 3.730046560466711 (pred)	3.53 (actual)
Steering angle: 6.016082701139652 (pred)	3.7300000000000004 (actual)
Steering angle: 7.320869106212821 (pred)	3.9300000000000006 (actual)
Steering angle: 9.078658416476976 (pred)	3.9300000000000006 (actual)
Steering angle: 9.852385660750606 (pred)	3.03 (actual)
Steering angle: 10.790150143225846 (pred)	3.7300000000000004 (actual)
Steering angle: 11.923312677476812 (pred)	3.53 (actual)
Steering angle: 13.18415108410918 (pred)	3.23 (actual)
Steering angle: 13.622897676955057 (pred)	2.92 (actual)
Steering angle: 14.00660916678991 (pred)	2.52 (actual)
Steering angle: 13.151557421389878 (pred)	2.32 (actual)
Steering angle: 13.599305349788187 (pred)	0.0 (actual)
Steering angle: 13.60716262865464 (pred)	2.22 (actual)
Steering angle: 12.508689771424523 (pred)	2.22 (actual)
Steering angle: 12.183800724495466 (pred)	2.12 (actual)
Steering angle: 11.95845570830382 (pred)	2.02 (actual)
Steering angle: 11.29849977880874 (pred)	2.02 (actual)
Steering angle: 11.217959041889594 (pred)	2.02 (actual)
Steering angle: 10.675416625547973 (pred)	1.92 (actual)
Steering angle: 10.377161901287378 (pred)	1.92 (actual)
Steering angle: 10.813119215630953 (pred)	2.02 (actual)
Steering angle: 10.571887179429858 (pred)	1.92 (actual)
Steering angle: 10.843960934828145 (pred)	1.92 (actual)
Steering angle: 11.091000339371044 (pred)	1.82 (actual)
Steering angle: 8.841124927711443 (pred)	1.82 (actual)
Steering angle: 8.689131874337503 (pred)	1.71 (actual)
Steering angle: 4.933531014864835 (pred)	1.6100000000000003 (actual)
Steering angle: 5.127401665587416 (pred)	1.6100000000000003 (actual)
Steering angle: 6.013016799975963 (pred)	1.51 (actual)
Steering angle: 6.886408883957949 (pred)	1.51 (actual)
Steering angle: 6.07950228824369 (pred)	1.11 (actual)
Steering angle: 5.310980075004434 (pred)	0.5 (actual)
Steering angle: 3.727104029594905 (pred)	-0.5 (actual)
Steering angle: 3.867021308516262 (pred)	-1.21 (actual)
Steering angle: 1.9315241364267153 (pred)	-1.41 (actual)
Steering angle: 2.2168892265064364 (pred)	-1.41 (actual)
Steering angle: 2.4757924561942355 (pred)	-1.41 (actual)
Steering angle: 2.0627371930245375 (pred)	-1.41 (actual)
Steering angle: 1.2455951319521916 (pred)	-1.41 (actual)
Steering angle: -0.06415468621346039 (pred)	-1.41 (actual)
Steering angle: 0.27616119672971745 (pred)	-1.41 (actual)
Steering angle: 0.3404104383745002 (pred)	-1.41 (actual)
Steering angle: 0.3794823220781466 (pred)	-1.41 (actual)
Steering angle: 0.22576934169383273 (pred)	-1.41 (actual)
Steering angle: 0.19591565204876482 (pred)	-1.41 (actual)
Steering angle: 0.14503415782675483 (pred)	-1.41 (actual)
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Steering angle: -0.25855937235177145 (pred)	-1.41 (actual)
Steering angle: -0.3156708528704793 (pred)	-1.6100000000000003 (actual)
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Steering angle: -0.1363566159296652 (pred)	-1.82 (actual)
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Steering angle: -0.0348997053378264 (pred)	-2.32 (actual)
Steering angle: -0.19482218145132807 (pred)	-2.42 (actual)
Steering angle: -0.3826284779645837 (pred)	-2.42 (actual)
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Steering angle: -0.19853652369934563 (pred)	-2.62 (actual)
Steering angle: -0.20949513533580796 (pred)	-3.23 (actual)
Steering angle: -0.18613930346894936 (pred)	-3.9300000000000006 (actual)
Steering angle: -0.19609771927882796 (pred)	-4.84 (actual)
Steering angle: -0.6157462494317039 (pred)	-5.139999999999999 (actual)
Steering angle: -0.8036229822707752 (pred)	-4.44 (actual)
Steering angle: -0.6064093808362965 (pred)	-2.23 (actual)
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Steering angle: -0.23093894112188612 (pred)	1.01 (actual)
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Steering angle: 0.020517034493072052 (pred)	4.74 (actual)
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Steering angle: 0.14819845640317478 (pred)	5.55 (actual)
Steering angle: 0.15163852386733404 (pred)	5.849999999999999 (actual)
Steering angle: 0.20813229915297887 (pred)	6.25 (actual)
Steering angle: 0.25105406167098526 (pred)	6.35 (actual)
Steering angle: 0.30161048157718495 (pred)	6.25 (actual)
Steering angle: 0.2978312525320523 (pred)	5.75 (actual)
Steering angle: 0.28160528438504073 (pred)	5.24 (actual)
Steering angle: 0.17821308238056113 (pred)	4.74 (actual)
Steering angle: 0.1401115124258797 (pred)	3.7300000000000004 (actual)
Steering angle: 0.08950194511020083 (pred)	2.92 (actual)
Steering angle: 0.046948585920552025 (pred)	2.42 (actual)
Steering angle: 0.052962780928159814 (pred)	2.42 (actual)
Steering angle: 0.04894855068689638 (pred)	2.32 (actual)
Steering angle: 0.050567305520189405 (pred)	1.41 (actual)
Steering angle: 0.07381940388902844 (pred)	0.81 (actual)
Steering angle: 0.039278710369450826 (pred)	0.3 (actual)
Steering angle: -0.01218676502659525 (pred)	-0.4 (actual)
Steering angle: -0.12655572135752002 (pred)	-0.81 (actual)
Steering angle: -0.26373238687440986 (pred)	-0.81 (actual)
Steering angle: -0.7389419446044008 (pred)	-0.81 (actual)
Steering angle: -2.012799545568459 (pred)	-1.11 (actual)

Steering angle: -2.183449260660289 (pred)	-2.32 (actual)
Steering angle: -2.7948480946852796 (pred)	-3.13 (actual)
Steering angle: -2.7002017364695896 (pred)	-3.23 (actual)
Steering angle: -2.5546965090335156 (pred)	-3.23 (actual)
Steering angle: -2.4934817923709223 (pred)	-3.23 (actual)
Steering angle: -2.5133815485177546 (pred)	-3.23 (actual)
Steering angle: -3.108825487528419 (pred)	-3.3299999999999996 (actual)
Steering angle: -3.055019818567997 (pred)	-3.4300000000000006 (actual)
Steering angle: -3.2922847955217844 (pred)	-3.7300000000000004 (actual)
Steering angle: -3.655193663578895 (pred)	-4.24 (actual)
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Steering angle: -7.300091670757642 (pred)	-4.94 (actual)
Steering angle: -7.866941022808048 (pred)	-5.139999999999999 (actual)
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Steering angle: -3.7782437903449058 (pred)	-5.45 (actual)
Steering angle: -4.153307406916878 (pred)	-5.65 (actual)
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Steering angle: -6.113649392112346 (pred)	-5.75 (actual)
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Steering angle: -2.540065390057702 (pred)	-5.24 (actual)
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Steering angle: -1.750719210699546 (pred)	-4.74 (actual)
Steering angle: -1.8311224900616434 (pred)	-4.64 (actual)
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Steering angle: -1.1860849743743398 (pred)	-5.139999999999999 (actual)



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Steering angle: -5.300336932730262 (pred)	-7.87 (actual)
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Steering angle: -2.391574516180686 (pred)	-9.08 (actual)
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Steering angle: -7.479332910051702 (pred)	-8.07 (actual)
Steering angle: -6.559354240175174 (pred)	-7.559999999999999 (actual)
Steering angle: -6.393162077290424 (pred)	-7.16 (actual)
Steering angle: -4.672400076290554 (pred)	-6.860000000000001 (actual)
Steering angle: -3.6144464625378916 (pred)	-6.860000000000001 (actual)
Steering angle: -2.897722269529896 (pred)	-6.860000000000001 (actual)
Steering angle: -6.230725664675535 (pred)	-6.860000000000001 (actual)
Steering angle: -8.547954425514277 (pred)	-6.860000000000001 (actual)
Steering angle: -8.203338938488576 (pred)	-6.860000000000001 (actual)
Steering angle: -6.398250568222084 (pred)	-6.76 (actual)
Steering angle: -5.428684724971263 (pred)	-6.76 (actual)
Steering angle: -4.507879602205164 (pred)	-6.659999999999999 (actual)
Steering angle: -4.8283461016466385 (pred)	-6.659999999999999 (actual)
Steering angle: -4.535373674935404 (pred)	-6.659999999999999 (actual)
Steering angle: -4.478142666106221 (pred)	-6.659999999999999 (actual)
Steering angle: -4.288762010989278 (pred)	-6.76 (actual)
Steering angle: -3.6346006432313067 (pred)	-6.659999999999999 (actual)
Steering angle: -3.557333274471891 (pred)	-6.659999999999999 (actual)
Steering angle: -3.127626010105702 (pred)	-6.659999999999999 (actual)
Steering angle: -2.87708997559458 (pred)	-6.659999999999999 (actual)
Steering angle: -2.5203346810928275 (pred)	-6.659999999999999 (actual)
Steering angle: -2.0415550688610358 (pred)	-6.659999999999999 (actual)
Steering angle: -1.8645554122752097 (pred)	-6.76 (actual)
Steering angle: -1.8335762355209706 (pred)	-6.659999999999999 (actual)
Steering angle: -1.707480271271957 (pred)	-6.76 (actual)
Steering angle: -1.4512107198394324 (pred)	-6.76 (actual)
Steering angle: -1.3464505590102462 (pred)	-6.76 (actual)
Steering angle: -1.1047737067394536 (pred)	-6.76 (actual)
Steering angle: -1.2048043884552293 (pred)	-6.76 (actual)
Steering angle: -0.9616705714571084 (pred)	-6.659999999999999 (actual)
Steering angle: -0.6955476183731941 (pred)	-6.76 (actual)
Steering angle: -0.7984687507683543 (pred)	-6.659999999999999 (actual)
Steering angle: -1.039766527540211 (pred)	-6.76 (actual)
Steering angle: -1.1707174756286343 (pred)	-6.659999999999999 (actual)
Steering angle: -1.2446572616017841 (pred)	-6.76 (actual)
Steering angle: -0.8279662033595239 (pred)	-6.76 (actual)
Steering angle: -0.8576557550210999 (pred)	-6.659999999999999 (actual)

Steering angle: -0.8193665683076546 (pred)	-6.659999999999999 (actual)
Steering angle: -0.6331564016260663 (pred)	-6.76 (actual)
Steering angle: -0.39317386315626024 (pred)	-6.659999999999999 (actual)
Steering angle: -0.2681463966255306 (pred)	0.0 (actual)
Steering angle: -0.12784662711065242 (pred)	-6.76 (actual)
Steering angle: -0.09696051168385476 (pred)	-6.76 (actual)
Steering angle: 0.20607299711822002 (pred)	-6.860000000000001 (actual)
Steering angle: 0.4637041040731044 (pred)	-6.860000000000001 (actual)
Steering angle: 0.7312831681107008 (pred)	-6.96 (actual)
Steering angle: 1.3287744563250763 (pred)	-6.96 (actual)
Steering angle: 1.355761387509443 (pred)	-7.06 (actual)
Steering angle: 1.6245141768672238 (pred)	-7.36 (actual)
Steering angle: 1.9938564427922516 (pred)	0.0 (actual)
Steering angle: 2.383155881141822 (pred)	-7.659999999999998 (actual)
Steering angle: 3.9027244148552116 (pred)	-7.760000000000002 (actual)
Steering angle: 8.358160543952549 (pred)	-7.760000000000002 (actual)
Steering angle: 11.284006117389971 (pred)	-7.760000000000002 (actual)
Steering angle: 11.465473998353456 (pred)	-7.760000000000002 (actual)
Steering angle: 11.459344757347015 (pred)	-7.760000000000002 (actual)
Steering angle: 14.609918068629845 (pred)	-7.760000000000002 (actual)
Steering angle: 17.633871625531686 (pred)	-7.760000000000002 (actual)
Steering angle: 23.19343045896321 (pred)	-7.87 (actual)
Steering angle: 19.99113724773775 (pred)	-7.87 (actual)
Steering angle: 14.248961354014888 (pred)	-7.87 (actual)
Steering angle: 7.938566655313033 (pred)	-7.87 (actual)
Steering angle: 6.153404508176405 (pred)	-8.27 (actual)
Steering angle: 2.3538240606380256 (pred)	-8.67 (actual)
Steering angle: 1.3182047385844815 (pred)	-9.08 (actual)
Steering angle: 1.1134847592521586 (pred)	-9.78 (actual)
Steering angle: 1.112956273365129 (pred)	-10.29 (actual)
Steering angle: 0.5762231463560136 (pred)	-10.389999999999999 (actual)
Steering angle: 0.3435243643057913 (pred)	-10.49 (actual)
Steering angle: -0.04347884982218554 (pred)	-10.49 (actual)
Steering angle: -0.35714077330303484 (pred)	-10.49 (actual)
Steering angle: -0.014569220386460323 (pred)	-10.49 (actual)
Steering angle: 0.3275726709426381 (pred)	-10.59 (actual)
Steering angle: 0.43133156872818273 (pred)	-10.99 (actual)
Steering angle: 0.26156465558657704 (pred)	-11.6 (actual)
Steering angle: 0.030156138959252548 (pred)	-11.899999999999999 (actual)
Steering angle: -0.09176188395182881 (pred)	-12.2 (actual)
Steering angle: 0.13851218094303888 (pred)	-12.2 (actual)
Steering angle: 0.24791687040783375 (pred)	-12.300000000000002 (actual)
Steering angle: 0.4392372992490609 (pred)	-12.5 (actual)
Steering angle: 0.2915263475978958 (pred)	-12.5 (actual)
Steering angle: -1.3977602207158513 (pred)	-12.61 (actual)
Steering angle: -3.6372883226697064 (pred)	-12.61 (actual)
Steering angle: -3.846075252765949 (pred)	-12.61 (actual)
Steering angle: -8.612693519788598 (pred)	-12.61 (actual)

Steering angle: -8.992183952716383 (pred)	-12.61 (actual)
Steering angle: -9.453799726450756 (pred)	-12.5 (actual)
Steering angle: -11.683611457423446 (pred)	-12.4 (actual)
Steering angle: -10.55978066912601 (pred)	-12.4 (actual)
Steering angle: -5.165073573954621 (pred)	-12.4 (actual)
Steering angle: -2.7202338275315907 (pred)	-12.4 (actual)
Steering angle: -0.7781933342171715 (pred)	-12.4 (actual)
Steering angle: 4.305805467402576 (pred)	-12.4 (actual)
Steering angle: 2.4322845780680775 (pred)	-12.4 (actual)
Steering angle: 3.0929649345020027 (pred)	-12.4 (actual)
Steering angle: 7.585736158263099 (pred)	-12.4 (actual)
Steering angle: 11.194451238313704 (pred)	-12.300000000000002 (actual)
Steering angle: 12.841395116085014 (pred)	-12.100000000000001 (actual)
Steering angle: 17.106830323511407 (pred)	-11.899999999999999 (actual)
Steering angle: 19.518901383617653 (pred)	-11.8 (actual)
Steering angle: 20.60830972604552 (pred)	-11.39 (actual)
Steering angle: 26.180962032115957 (pred)	-11.089999999999998 (actual)
Steering angle: 26.20711824154252 (pred)	-10.79 (actual)
Steering angle: 24.27873044260531 (pred)	-10.08 (actual)
Steering angle: 22.209162633523935 (pred)	-9.380000000000003 (actual)
Steering angle: 18.090695167789647 (pred)	-7.559999999999999 (actual)
Steering angle: 16.700160860328847 (pred)	-5.949999999999999 (actual)
Steering angle: 17.082122114188884 (pred)	-3.23 (actual)
Steering angle: 15.802037088249067 (pred)	-0.81 (actual)
Steering angle: 18.86264997797366 (pred)	1.21 (actual)
Steering angle: 17.942060006166415 (pred)	3.4300000000000006 (actual)
Steering angle: 16.81572424599088 (pred)	4.44 (actual)
Steering angle: 16.0944630998267 (pred)	5.340000000000001 (actual)
Steering angle: 14.939211733799914 (pred)	5.75 (actual)
Steering angle: 8.765121143948479 (pred)	7.16 (actual)
Steering angle: 8.181772616184261 (pred)	8.27 (actual)
Steering angle: 9.04115982415996 (pred)	9.48 (actual)
Steering angle: 10.595484629238605 (pred)	0.0 (actual)
Steering angle: 11.040707095191301 (pred)	9.88 (actual)
Steering angle: 14.141726530272042 (pred)	9.979999999999999 (actual)
Steering angle: 15.986255827900774 (pred)	10.389999999999999 (actual)
Steering angle: 9.84931890581327 (pred)	11.6 (actual)
Steering angle: 3.689946092962743 (pred)	11.39 (actual)
Steering angle: 6.190901819832952 (pred)	10.89 (actual)
Steering angle: 6.495081733198531 (pred)	10.89 (actual)
Steering angle: 10.92662671435281 (pred)	10.89 (actual)
Steering angle: 8.557102610133864 (pred)	10.59 (actual)
Steering angle: 10.027408404458535 (pred)	10.389999999999999 (actual)
Steering angle: 4.948989013617044 (pred)	10.389999999999999 (actual)
Steering angle: 4.866353543056821 (pred)	10.79 (actual)
Steering angle: 10.202179284940822 (pred)	11.6 (actual)
Steering angle: 4.414039206311536 (pred)	12.0 (actual)
Steering angle: 3.120107892820222 (pred)	12.100000000000001 (actual)

Steering angle: 5.04424667376345 (pred)	12.2 (actual)
Steering angle: 3.8417167383018342 (pred)	12.300000000000002 (actual)
Steering angle: 4.21542072034215 (pred)	12.61 (actual)
Steering angle: 4.2939397212669705 (pred)	13.01 (actual)
Steering angle: 5.096711491212433 (pred)	13.71 (actual)
Steering angle: 6.916711445097533 (pred)	14.420000000000002 (actual)
Steering angle: 4.199653228643176 (pred)	15.13 (actual)
Steering angle: 5.60323575873964 (pred)	16.24 (actual)
Steering angle: 4.859281735944919 (pred)	17.75 (actual)
Steering angle: 3.6481914390191625 (pred)	19.16 (actual)
Steering angle: 2.9947073272060805 (pred)	20.370000000000005 (actual)
Steering angle: 3.1396544001209175 (pred)	21.38 (actual)
Steering angle: 2.8060325294511754 (pred)	22.08 (actual)
Steering angle: 6.713887270146713 (pred)	22.99 (actual)
Steering angle: 6.992497516580703 (pred)	23.9 (actual)
Steering angle: 5.667582544023507 (pred)	24.810000000000002 (actual)
Steering angle: 4.808368225211175 (pred)	25.71 (actual)
Steering angle: 5.3822232169158974 (pred)	27.03 (actual)
Steering angle: 6.069128938441733 (pred)	27.93 (actual)
Steering angle: 6.799964729161799 (pred)	28.939999999999998 (actual)
Steering angle: 4.956018985820279 (pred)	29.75 (actual)
Steering angle: 8.05930561681864 (pred)	30.76 (actual)
Steering angle: 9.882654497831163 (pred)	31.66 (actual)
Steering angle: 11.034552240975474 (pred)	32.67 (actual)
Steering angle: 7.303557137987777 (pred)	34.18 (actual)
Steering angle: 7.70254776099595 (pred)	35.5 (actual)
Steering angle: 9.592713821337767 (pred)	36.400000000000006 (actual)
Steering angle: 10.814641494042219 (pred)	38.22 (actual)
Steering angle: 13.045092701475951 (pred)	39.43 (actual)
Steering angle: 6.95129568107307 (pred)	41.04 (actual)
Steering angle: 3.150107577758799 (pred)	42.86 (actual)
Steering angle: 2.358763994955237 (pred)	44.37 (actual)
Steering angle: 2.3228365595907357 (pred)	46.08 (actual)
Steering angle: 2.427806535293488 (pred)	47.19 (actual)
Steering angle: 2.4403188015227166 (pred)	47.39 (actual)
Steering angle: 2.697007128928728 (pred)	47.39 (actual)
Steering angle: 2.382818000221318 (pred)	46.39 (actual)
Steering angle: 2.8079144600109256 (pred)	45.48 (actual)
Steering angle: 2.47561956703087 (pred)	47.09 (actual)
Steering angle: 2.129202617611578 (pred)	49.21 (actual)
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Steering angle: 2.5175889450464823 (pred)	50.720000000000006 (actual)
Steering angle: 2.507095213160404 (pred)	51.63 (actual)
Steering angle: 2.4915366825613496 (pred)	52.34 (actual)
Steering angle: 3.0713909282348713 (pred)	53.24 (actual)
Steering angle: 3.5168663246302696 (pred)	53.14 (actual)
Steering angle: 8.883971558148579 (pred)	53.55 (actual)
Steering angle: 6.342704481683778 (pred)	54.66 (actual)

Steering angle: 8.33841275951475 (pred)	54.66 (actual)
Steering angle: 7.430877840532339 (pred)	52.54 (actual)
Steering angle: 3.654501253151785 (pred)	49.41 (actual)
Steering angle: 4.3435683026631065 (pred)	47.599999999999994 (actual)
Steering angle: 6.55848509860329 (pred)	47.599999999999994 (actual)
Steering angle: 2.2536362845713396 (pred)	47.599999999999994 (actual)
Steering angle: 1.6488366939450507 (pred)	47.599999999999994 (actual)
Steering angle: 2.8072421132645022 (pred)	46.59 (actual)
Steering angle: 4.695591983617332 (pred)	44.57 (actual)
Steering angle: 8.83767738972788 (pred)	43.36 (actual)
Steering angle: 4.988964830168658 (pred)	42.25 (actual)
Steering angle: 8.362003379134327 (pred)	41.549999999999999 (actual)
Steering angle: 6.815264352902627 (pred)	41.34 (actual)
Steering angle: 8.631306639050528 (pred)	41.34 (actual)
Steering angle: 6.921528009122862 (pred)	41.24 (actual)
Steering angle: 6.833815146688382 (pred)	41.04 (actual)
Steering angle: 8.421589095679872 (pred)	40.84 (actual)
Steering angle: 8.87028471282552 (pred)	40.24 (actual)
Steering angle: 7.5159555306076635 (pred)	39.73 (actual)
Steering angle: 6.503090983774017 (pred)	39.73 (actual)
Steering angle: 5.639223171702791 (pred)	39.63 (actual)
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Steering angle: 5.526513097566533 (pred)	39.73 (actual)
Steering angle: 6.599053434065404 (pred)	40.740000000000001 (actual)
Steering angle: 7.32251603557644 (pred)	41.85 (actual)
Steering angle: 8.303172398492068 (pred)	42.349999999999994 (actual)
Steering angle: 9.367587371199562 (pred)	42.349999999999994 (actual)
Steering angle: 10.667341634401724 (pred)	42.349999999999994 (actual)
Steering angle: 8.365126483132315 (pred)	42.349999999999994 (actual)
Steering angle: 8.218037505582444 (pred)	42.349999999999994 (actual)
Steering angle: 8.414211637602612 (pred)	42.55 (actual)
Steering angle: 8.042822662804108 (pred)	42.959999999999994 (actual)
Steering angle: 8.845777994083514 (pred)	43.869999999999999 (actual)
Steering angle: 9.311309173759597 (pred)	44.77 (actual)
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Steering angle: 9.256881957584703 (pred)	45.78 (actual)
Steering angle: 9.610349369774742 (pred)	45.98 (actual)
Steering angle: 9.40508340219564 (pred)	46.29 (actual)
Steering angle: 9.252961429001116 (pred)	46.29 (actual)
Steering angle: 9.010760359711526 (pred)	46.29 (actual)
Steering angle: 8.760426242667743 (pred)	46.29 (actual)
Steering angle: 8.606152759884663 (pred)	46.29 (actual)
Steering angle: 7.5349605319732245 (pred)	46.49 (actual)
Steering angle: 6.89233065796835 (pred)	46.49 (actual)
Steering angle: 6.636070924932757 (pred)	46.39 (actual)
Steering angle: 6.360318258892772 (pred)	46.39 (actual)
Steering angle: 5.788476892332732 (pred)	46.49 (actual)
Steering angle: 4.85848559201979 (pred)	46.69 (actual)

Steering angle: 4.814757867179722 (pred)	46.989999999999995 (actual)
Steering angle: 4.344232965446714 (pred)	47.09 (actual)
Steering angle: 4.471136599565081 (pred)	47.19 (actual)
Steering angle: 4.758137306507608 (pred)	47.19 (actual)
Steering angle: 4.289811298800521 (pred)	47.19 (actual)
Steering angle: 3.4969328444244105 (pred)	47.19 (actual)
Steering angle: 2.3754772544108467 (pred)	47.19 (actual)
Steering angle: 2.415368333928072 (pred)	47.09 (actual)
Steering angle: 2.2718372446055426 (pred)	47.09 (actual)
Steering angle: 2.9103120157175217 (pred)	47.39 (actual)
Steering angle: 4.415842376252419 (pred)	47.7 (actual)
Steering angle: 7.342719735141338 (pred)	0.0 (actual)
Steering angle: 7.9356587022739 (pred)	47.7 (actual)
Steering angle: 7.5009009399033095 (pred)	47.7 (actual)
Steering angle: 8.213714849611472 (pred)	47.7 (actual)
Steering angle: 12.027674552900022 (pred)	47.7 (actual)
Steering angle: 12.468521428915679 (pred)	47.7 (actual)
Steering angle: 17.592091358378717 (pred)	47.8 (actual)
Steering angle: 18.861079034464556 (pred)	47.7 (actual)
Steering angle: 19.522736534836618 (pred)	47.7 (actual)
Steering angle: 18.71884034499904 (pred)	47.7 (actual)
Steering angle: 18.479947648588674 (pred)	47.7 (actual)
Steering angle: 15.123509020627075 (pred)	47.7 (actual)
Steering angle: 15.27669479578483 (pred)	47.7 (actual)
Steering angle: 15.939537333977887 (pred)	47.7 (actual)
Steering angle: 20.74468469810858 (pred)	47.8 (actual)
Steering angle: 21.212214561890534 (pred)	47.8 (actual)
Steering angle: 25.244467964826338 (pred)	48.0 (actual)
Steering angle: 26.05373609844613 (pred)	0.0 (actual)
Steering angle: 26.89303315875188 (pred)	48.5 (actual)
Steering angle: 27.659158402479285 (pred)	48.71000000000001 (actual)
Steering angle: 26.036243983981727 (pred)	48.91 (actual)
Steering angle: 19.10862558055333 (pred)	49.11 (actual)
Steering angle: 17.71370629164538 (pred)	49.21 (actual)
Steering angle: 16.154778792839792 (pred)	49.41 (actual)
Steering angle: 14.798171742533736 (pred)	49.92 (actual)
Steering angle: 15.523155341795569 (pred)	50.12 (actual)
Steering angle: 16.488018599802835 (pred)	50.22 (actual)
Steering angle: 17.943074289258163 (pred)	50.32 (actual)
Steering angle: 17.689206403092545 (pred)	50.32 (actual)
Steering angle: 13.788279608649514 (pred)	50.32 (actual)
Steering angle: 13.41287021375081 (pred)	50.52 (actual)
Steering angle: 12.460924551011331 (pred)	50.92 (actual)
Steering angle: 11.63794481263274 (pred)	51.23 (actual)
Steering angle: 11.1727799018509 (pred)	51.330000000000005 (actual)
Steering angle: 11.205546026846744 (pred)	51.330000000000005 (actual)
Steering angle: 10.902962670199654 (pred)	51.330000000000005 (actual)
Steering angle: 10.300711593907426 (pred)	51.330000000000005 (actual)



Steering angle: 10.014585578065484 (pred)	51.330000000000005 (actual)
Steering angle: 9.367808498573941 (pred)	51.330000000000005 (actual)
Steering angle: 10.06211259563137 (pred)	51.330000000000005 (actual)
Steering angle: 11.386955851202282 (pred)	51.23 (actual)
Steering angle: 12.899252794770547 (pred)	51.23 (actual)
Steering angle: 14.624379286650054 (pred)	51.23 (actual)
Steering angle: 14.2484004247293 (pred)	51.23 (actual)
Steering angle: 14.616485295516812 (pred)	51.13 (actual)
Steering angle: 15.01945621126381 (pred)	51.030000000000001 (actual)
Steering angle: 14.953835168812912 (pred)	51.030000000000001 (actual)
Steering angle: 14.980298736752125 (pred)	51.030000000000001 (actual)
Steering angle: 15.093082235421962 (pred)	51.030000000000001 (actual)
Steering angle: 14.566232178698444 (pred)	51.030000000000001 (actual)
Steering angle: 14.000795822032584 (pred)	51.030000000000001 (actual)
Steering angle: 13.56697977199381 (pred)	51.030000000000001 (actual)
Steering angle: 12.412664141883313 (pred)	50.82 (actual)
Steering angle: 10.855384426214991 (pred)	50.52 (actual)
Steering angle: 9.9325046334885 (pred)	49.71 (actual)
Steering angle: 8.1374856696059 (pred)	49.11 (actual)
Steering angle: 8.029688209030173 (pred)	48.61 (actual)
Steering angle: 7.959927218168601 (pred)	47.8 (actual)
Steering angle: 6.528510386543866 (pred)	47.28999999999999 (actual)
Steering angle: 5.768082374357897 (pred)	46.69 (actual)
Steering angle: 4.8431449871439405 (pred)	46.18 (actual)
Steering angle: 4.8439522301264715 (pred)	45.57999999999999 (actual)
Steering angle: 4.479081390230275 (pred)	44.669999999999995 (actual)
Steering angle: 5.335012095599123 (pred)	43.76 (actual)
Steering angle: 5.072176597940101 (pred)	42.86 (actual)
Steering angle: 6.1626474616707245 (pred)	41.85 (actual)
Steering angle: 5.9837955431593555 (pred)	41.24 (actual)
Steering angle: 6.367286332506653 (pred)	40.93999999999999 (actual)
Steering angle: 3.5890488309960222 (pred)	40.84 (actual)
Steering angle: 2.582399329420264 (pred)	40.84 (actual)
Steering angle: 2.2253080749887117 (pred)	40.84 (actual)
Steering angle: 2.0095372764661317 (pred)	40.84 (actual)
Steering angle: 2.076079113794511 (pred)	40.84 (actual)
Steering angle: 2.098064212072313 (pred)	40.84 (actual)
Steering angle: 2.143546441755428 (pred)	40.93999999999999 (actual)
Steering angle: 2.2766326777331263 (pred)	41.14 (actual)
Steering angle: 2.14672333349313 (pred)	41.54999999999999 (actual)
Steering angle: 1.9306844500456268 (pred)	42.05 (actual)
Steering angle: 1.3605886237053495 (pred)	42.25 (actual)
Steering angle: 1.2855293270385522 (pred)	42.25 (actual)
Steering angle: 1.192712819190191 (pred)	42.25 (actual)
Steering angle: 1.4667662622307247 (pred)	42.25 (actual)
Steering angle: 1.5355125431137262 (pred)	42.15 (actual)
Steering angle: 1.533687388501452 (pred)	41.65 (actual)
Steering angle: 1.7508101375928717 (pred)	41.34 (actual)

Steering angle: 2.010512285970151 (pred)	41.24 (actual)
Steering angle: 2.01610877222133 (pred)	41.24 (actual)
Steering angle: 2.09677458697965 (pred)	40.44 (actual)
Steering angle: 1.9154121470614782 (pred)	39.23 (actual)
Steering angle: 2.0300429984583905 (pred)	38.02 (actual)
Steering angle: 2.7876776767172355 (pred)	36.909999999999999 (actual)
Steering angle: 2.424936361738202 (pred)	36.400000000000006 (actual)
Steering angle: 1.9254651183026792 (pred)	36.0 (actual)
Steering angle: 2.0008031720649777 (pred)	36.0 (actual)
Steering angle: 1.9764172622939167 (pred)	36.0 (actual)
Steering angle: 1.9509897486744285 (pred)	35.9 (actual)
Steering angle: 1.4292920024626268 (pred)	35.700000000000001 (actual)
Steering angle: 1.5162923907893104 (pred)	35.39 (actual)
Steering angle: 1.7811884711435613 (pred)	35.090000000000001 (actual)
Steering angle: 1.6579409092218544 (pred)	34.69 (actual)
Steering angle: 1.9814878239790048 (pred)	33.78 (actual)
Steering angle: 1.3843581089038168 (pred)	32.97 (actual)
Steering angle: 1.0797525893755813 (pred)	31.969999999999995 (actual)
Steering angle: 2.124197369610428 (pred)	31.159999999999993 (actual)
Steering angle: 1.735289813364487 (pred)	30.86 (actual)
Steering angle: 1.0215508399106101 (pred)	30.66 (actual)
Steering angle: 0.4621293185825934 (pred)	30.66 (actual)
Steering angle: 0.393476739357268 (pred)	30.549999999999994 (actual)
Steering angle: 0.3149227337129514 (pred)	30.549999999999994 (actual)
Steering angle: 0.3299704942281357 (pred)	30.449999999999992 (actual)
Steering angle: 0.25058299206166595 (pred)	29.849999999999998 (actual)
Steering angle: 0.20568474355258712 (pred)	29.14 (actual)
Steering angle: 0.19068479436159286 (pred)	28.34 (actual)
Steering angle: 0.20514707959886017 (pred)	27.93 (actual)
Steering angle: 0.34517172055623374 (pred)	27.63 (actual)
Steering angle: 0.36990191455014587 (pred)	27.33 (actual)
Steering angle: 0.3455356415729485 (pred)	26.920000000000005 (actual)
Steering angle: 0.38733298419884155 (pred)	26.42 (actual)
Steering angle: 0.456744354752273 (pred)	25.820000000000004 (actual)
Steering angle: 0.5299020840654565 (pred)	25.11 (actual)
Steering angle: 0.5225948488706006 (pred)	24.71 (actual)
Steering angle: 0.5868069513617714 (pred)	24.61 (actual)
Steering angle: 0.6174966988499312 (pred)	24.61 (actual)
Steering angle: 0.5120919389178251 (pred)	24.4 (actual)
Steering angle: 0.284514518084643 (pred)	24.1 (actual)
Steering angle: 0.23692709603328324 (pred)	23.9 (actual)
Steering angle: 0.1250088969539237 (pred)	23.7 (actual)
Steering angle: 0.0761438026409484 (pred)	23.29 (actual)
Steering angle: 0.047987628448040213 (pred)	22.89 (actual)
Steering angle: 0.18779967976749715 (pred)	22.49 (actual)
Steering angle: 0.26534025609371314 (pred)	22.29 (actual)
Steering angle: 0.3584056389599566 (pred)	21.98 (actual)
Steering angle: 0.5560331071694559 (pred)	21.68 (actual)

Steering angle: 0.48757518833547586 (pred)	21.68 (actual)
Steering angle: 0.47302133587464806 (pred)	21.68 (actual)
Steering angle: 0.3719693274345441 (pred)	21.68 (actual)
Steering angle: 0.4265395506951841 (pred)	21.68 (actual)
Steering angle: 0.8847859067346252 (pred)	21.68 (actual)
Steering angle: 1.0220214826331064 (pred)	21.68 (actual)
Steering angle: 1.0601426893816517 (pred)	21.68 (actual)
Steering angle: 1.0371351971624636 (pred)	21.68 (actual)
Steering angle: 0.9287518344219973 (pred)	21.68 (actual)
Steering angle: 1.0264986716340498 (pred)	21.68 (actual)
Steering angle: 1.8296576279280872 (pred)	22.08 (actual)
Steering angle: 2.031786190800625 (pred)	22.39 (actual)
Steering angle: 2.105232068719418 (pred)	22.89 (actual)
Steering angle: 1.7592366700379634 (pred)	23.5 (actual)
Steering angle: 1.737189459727397 (pred)	23.9 (actual)
Steering angle: 1.6749758278986895 (pred)	24.200000000000003 (actual)
Steering angle: 1.9065798586910057 (pred)	24.200000000000003 (actual)
Steering angle: 2.0839976509200833 (pred)	24.200000000000003 (actual)
Steering angle: 1.8660183534180617 (pred)	24.200000000000003 (actual)
Steering angle: 1.7900736934801016 (pred)	24.4 (actual)
Steering angle: 1.8348022544769877 (pred)	24.71 (actual)
Steering angle: 1.9338542981507474 (pred)	24.91 (actual)
Steering angle: 2.065211855938198 (pred)	25.41 (actual)
Steering angle: 3.180500425461475 (pred)	25.61 (actual)
Steering angle: 3.3567097010942835 (pred)	25.71 (actual)
Steering angle: 3.9917341594583484 (pred)	25.820000000000004 (actual)
Steering angle: 3.9312545419051776 (pred)	26.12 (actual)
Steering angle: 4.039968101603332 (pred)	26.520000000000003 (actual)
Steering angle: 3.999507768507469 (pred)	26.82 (actual)
Steering angle: 4.281196722709843 (pred)	27.03 (actual)
Steering angle: 4.458842685945881 (pred)	27.43 (actual)
Steering angle: 4.104789158147692 (pred)	27.73 (actual)
Steering angle: 4.808116788872353 (pred)	28.13 (actual)
Steering angle: 6.14498971511895 (pred)	28.44 (actual)
Steering angle: 6.529388492739035 (pred)	28.840000000000003 (actual)
Steering angle: 5.460872418321771 (pred)	29.04 (actual)
Steering angle: 3.827473232561419 (pred)	29.450000000000003 (actual)
Steering angle: 3.270619435474504 (pred)	29.95 (actual)
Steering angle: 3.633720829488844 (pred)	30.149999999999995 (actual)
Steering angle: 4.188648513229816 (pred)	30.25 (actual)
Steering angle: 3.1467964301152236 (pred)	30.449999999999992 (actual)
Steering angle: 2.738743213295502 (pred)	30.549999999999994 (actual)
Steering angle: 2.3071920112968214 (pred)	30.549999999999994 (actual)
Steering angle: 3.390670255421233 (pred)	30.66 (actual)
Steering angle: 3.421077190389072 (pred)	30.76 (actual)
Steering angle: 2.4460087759881604 (pred)	30.76 (actual)
Steering angle: 1.9518394668958603 (pred)	30.86 (actual)
Steering angle: 1.723841775985311 (pred)	30.76 (actual)

Steering angle: 1.8168563593196025 (pred)	30.449999999999992 (actual)
Steering angle: 2.3626478112720357 (pred)	30.149999999999995 (actual)
Steering angle: 2.5832095606105567 (pred)	29.849999999999998 (actual)
Steering angle: 3.125107804736083 (pred)	0.0 (actual)
Steering angle: 2.270411229172891 (pred)	29.650000000000002 (actual)
Steering angle: 1.9294545891082013 (pred)	29.55 (actual)
Steering angle: 1.6514654630018593 (pred)	29.34 (actual)
Steering angle: 1.253180910799137 (pred)	28.939999999999998 (actual)
Steering angle: 1.3700862151896638 (pred)	28.24 (actual)
Steering angle: 1.41903476587656 (pred)	27.530000000000005 (actual)
Steering angle: 1.621058741477432 (pred)	26.520000000000003 (actual)
Steering angle: 1.6636735723696108 (pred)	25.11 (actual)
Steering angle: 2.248934979988255 (pred)	24.200000000000003 (actual)
Steering angle: 2.33951225300591 (pred)	22.99 (actual)
Steering angle: 2.4142242772420945 (pred)	22.39 (actual)
Steering angle: 1.5939315779716685 (pred)	22.179999999999996 (actual)
Steering angle: 1.0718769543757336 (pred)	21.98 (actual)
Steering angle: 0.5878470611063175 (pred)	20.469999999999995 (actual)
Steering angle: 0.4865869453399396 (pred)	18.55 (actual)
Steering angle: 0.12509875663019165 (pred)	17.34 (actual)
Steering angle: -0.19442603047946735 (pred)	15.929999999999998 (actual)
Steering angle: -0.35507378730545974 (pred)	14.82 (actual)
Steering angle: -0.5107598385862611 (pred)	14.02 (actual)
Steering angle: -0.6071598478713516 (pred)	13.01 (actual)
Steering angle: -0.4570899196355933 (pred)	11.699999999999998 (actual)
Steering angle: -0.3206611598328199 (pred)	11.089999999999998 (actual)
Steering angle: -0.19620486787143254 (pred)	10.99 (actual)
Steering angle: 0.01626268041380036 (pred)	10.99 (actual)
Steering angle: 0.12927093499601164 (pred)	10.99 (actual)
Steering angle: -0.09261693825854977 (pred)	10.99 (actual)
Steering angle: -0.22875328058748204 (pred)	10.99 (actual)
Steering angle: -0.3002743258208012 (pred)	10.79 (actual)
Steering angle: -0.297905103952453 (pred)	10.08 (actual)
Steering angle: -0.15042467118577582 (pred)	9.28 (actual)
Steering angle: -0.221094077206959 (pred)	9.08 (actual)
Steering angle: -0.2931026271922878 (pred)	0.0 (actual)
Steering angle: -0.25076143075373253 (pred)	9.08 (actual)
Steering angle: -0.11457556955331764 (pred)	9.08 (actual)
Steering angle: -0.05785426359094675 (pred)	8.97 (actual)
Steering angle: -0.03335138683034914 (pred)	8.97 (actual)
Steering angle: -0.1477237582558589 (pred)	8.97 (actual)
Steering angle: -0.10788966812952142 (pred)	8.87 (actual)
Steering angle: 0.03994422692670394 (pred)	8.87 (actual)
Steering angle: 0.021671763349627334 (pred)	8.87 (actual)
Steering angle: -0.07341471518070518 (pred)	8.87 (actual)
Steering angle: -0.11747541174281119 (pred)	8.87 (actual)
Steering angle: -0.1776276071026441 (pred)	8.87 (actual)
Steering angle: 0.053999475578120806 (pred)	8.97 (actual)

Steering angle: 0.28783313624762297 (pred)	9.28 (actual)
Steering angle: 0.4214946022194834 (pred)	9.48 (actual)
Steering angle: 0.44744270431977345 (pred)	9.68 (actual)
Steering angle: 0.5271204895259688 (pred)	9.88 (actual)
Steering angle: 0.6294012916864403 (pred)	9.88 (actual)
Steering angle: 1.0816182982360527 (pred)	9.88 (actual)
Steering angle: 1.4292883739246303 (pred)	9.88 (actual)
Steering angle: 1.0970893170363663 (pred)	9.88 (actual)
Steering angle: 1.2815387890159722 (pred)	9.88 (actual)
Steering angle: 2.328214266345063 (pred)	9.88 (actual)
Steering angle: 1.724556171083812 (pred)	9.88 (actual)
Steering angle: 1.3091829124645409 (pred)	9.979999999999999 (actual)
Steering angle: 1.7796008790483564 (pred)	9.979999999999999 (actual)
Steering angle: 2.2735710454376683 (pred)	10.08 (actual)
Steering angle: 3.553329076070971 (pred)	10.08 (actual)
Steering angle: 6.478915102319934 (pred)	10.08 (actual)
Steering angle: 7.4712254755068965 (pred)	10.08 (actual)
Steering angle: 5.664102562641386 (pred)	9.979999999999999 (actual)
Steering angle: 4.8001442505636565 (pred)	10.08 (actual)
Steering angle: 6.049654788457557 (pred)	10.49 (actual)
Steering angle: 8.106623459841197 (pred)	10.99 (actual)
Steering angle: 9.578575329755841 (pred)	11.699999999999998 (actual)
Steering angle: 9.788358613697259 (pred)	12.2 (actual)
Steering angle: 7.681838627432471 (pred)	12.61 (actual)
Steering angle: 6.378058821488233 (pred)	12.61 (actual)
Steering angle: 4.090800503840683 (pred)	12.910000000000002 (actual)
Steering angle: 2.8361096943481496 (pred)	13.11 (actual)
Steering angle: 2.711562688936848 (pred)	13.21 (actual)
Steering angle: 2.546461862215419 (pred)	13.41 (actual)
Steering angle: 3.2505698420527547 (pred)	13.82 (actual)
Steering angle: 4.483592730177068 (pred)	13.82 (actual)
Steering angle: 5.010602442572436 (pred)	14.02 (actual)
Steering angle: 5.482971068494525 (pred)	14.32 (actual)
Steering angle: 4.1418399461872495 (pred)	14.82 (actual)
Steering angle: 4.8680286469507665 (pred)	15.030000000000001 (actual)
Steering angle: 5.96290370203558 (pred)	15.030000000000001 (actual)
Steering angle: 6.349298602440602 (pred)	15.030000000000001 (actual)
Steering angle: 8.66494788203378 (pred)	15.030000000000001 (actual)
Steering angle: 8.985246188066943 (pred)	15.030000000000001 (actual)
Steering angle: 7.932089928432568 (pred)	15.030000000000001 (actual)
Steering angle: 8.388116046104932 (pred)	15.030000000000001 (actual)
Steering angle: 7.741476424170437 (pred)	15.030000000000001 (actual)
Steering angle: 8.17655947430025 (pred)	15.030000000000001 (actual)
Steering angle: 7.489725896647522 (pred)	15.030000000000001 (actual)
Steering angle: 5.635183541695551 (pred)	15.030000000000001 (actual)
Steering angle: 4.034289653082113 (pred)	15.030000000000001 (actual)
Steering angle: 5.151250551734985 (pred)	15.030000000000001 (actual)
Steering angle: 5.408820827317574 (pred)	15.030000000000001 (actual)

Steering angle: 4.415538859721177 (pred)	15.030000000000001 (actual)
Steering angle: 4.918058075073818 (pred)	15.030000000000001 (actual)
Steering angle: 4.265056131927456 (pred)	15.030000000000001 (actual)
Steering angle: 3.5943413738291357 (pred)	15.030000000000001 (actual)
Steering angle: 4.946291515781711 (pred)	15.030000000000001 (actual)
Steering angle: 5.5371118436111 (pred)	15.230000000000002 (actual)
Steering angle: 6.009738309174357 (pred)	15.43 (actual)
Steering angle: 5.419958731419749 (pred)	15.63 (actual)
Steering angle: 6.283142243913505 (pred)	15.929999999999998 (actual)
Steering angle: 6.637457026447446 (pred)	16.34 (actual)
Steering angle: 6.905447609382536 (pred)	16.74 (actual)
Steering angle: 6.188161633315308 (pred)	17.34 (actual)
Steering angle: 6.138564641544083 (pred)	17.850000000000005 (actual)
Steering angle: 6.025396517846611 (pred)	17.95 (actual)
Steering angle: 5.34164207484909 (pred)	17.95 (actual)
Steering angle: 5.324500434466474 (pred)	18.05 (actual)
Steering angle: 5.921284798101753 (pred)	18.05 (actual)
Steering angle: 5.051267254456576 (pred)	18.05 (actual)
Steering angle: 6.203956445770962 (pred)	18.05 (actual)
Steering angle: 6.140368665258612 (pred)	18.05 (actual)
Steering angle: 5.389360764598561 (pred)	18.05 (actual)
Steering angle: 5.369651399974843 (pred)	17.95 (actual)
Steering angle: 5.836577645788901 (pred)	17.75 (actual)
Steering angle: 4.26184466235708 (pred)	17.04 (actual)
Steering angle: 4.24678238768991 (pred)	16.03 (actual)
Steering angle: 4.725226893765548 (pred)	15.230000000000002 (actual)
Steering angle: 4.426519669472442 (pred)	14.32 (actual)
Steering angle: 4.024545961344266 (pred)	13.92 (actual)
Steering angle: 3.7702084996732093 (pred)	13.82 (actual)
Steering angle: 4.005706165179255 (pred)	13.82 (actual)
Steering angle: 2.8778690440467845 (pred)	13.610000000000001 (actual)
Steering angle: 0.5079101555984847 (pred)	13.31 (actual)
Steering angle: 0.5963890664370646 (pred)	12.910000000000002 (actual)
Steering angle: -2.7860597756575887 (pred)	12.5 (actual)
Steering angle: -4.383507833834756 (pred)	12.5 (actual)
Steering angle: -2.3998292266794694 (pred)	12.5 (actual)
Steering angle: -0.20069571725071592 (pred)	12.2 (actual)
Steering angle: 0.21798335292684132 (pred)	11.8 (actual)
Steering angle: 0.5372902143132946 (pred)	11.8 (actual)
Steering angle: 1.4247413889281058 (pred)	11.8 (actual)
Steering angle: 4.201765037757179 (pred)	11.8 (actual)
Steering angle: 2.6818690818504525 (pred)	11.8 (actual)
Steering angle: 3.1319785481542928 (pred)	12.0 (actual)
Steering angle: 3.050670055283757 (pred)	12.100000000000001 (actual)
Steering angle: 3.659639262954927 (pred)	12.4 (actual)
Steering angle: 4.029808622099761 (pred)	12.4 (actual)
Steering angle: 3.9065057783344597 (pred)	12.5 (actual)
Steering angle: 3.8166700077285745 (pred)	12.4 (actual)

Steering angle: 3.1940726516725246 (pred)	12.4 (actual)
Steering angle: 3.344041621174614 (pred)	12.4 (actual)
Steering angle: 5.502224944877968 (pred)	12.4 (actual)
Steering angle: 6.0824021304331835 (pred)	12.4 (actual)
Steering angle: 6.338789075742068 (pred)	12.4 (actual)
Steering angle: 5.286344436441844 (pred)	12.5 (actual)
Steering angle: 4.973730093224945 (pred)	12.81 (actual)
Steering angle: 3.831986280055505 (pred)	13.51 (actual)
Steering angle: 3.4273560552270177 (pred)	14.72 (actual)
Steering angle: 3.5521271762204605 (pred)	15.53 (actual)
Steering angle: 5.287868422400403 (pred)	15.929999999999998 (actual)
Steering angle: 5.76921490509965 (pred)	15.929999999999998 (actual)
Steering angle: 5.904532905388651 (pred)	15.83 (actual)
Steering angle: 7.18666271921124 (pred)	15.730000000000002 (actual)
Steering angle: 5.9421826156410535 (pred)	15.63 (actual)
Steering angle: 5.469736723203979 (pred)	15.63 (actual)
Steering angle: 4.30312120305876 (pred)	15.53 (actual)
Steering angle: 3.78462617523746 (pred)	15.53 (actual)
Steering angle: 3.332015365593514 (pred)	15.43 (actual)
Steering angle: 1.5925384328243974 (pred)	15.43 (actual)
Steering angle: -0.5795436855096976 (pred)	15.43 (actual)
Steering angle: -0.881091414723883 (pred)	15.43 (actual)
Steering angle: -1.1565495288559122 (pred)	15.43 (actual)
Steering angle: -1.1642941096010604 (pred)	15.33 (actual)
Steering angle: -0.8939210713061057 (pred)	15.230000000000002 (actual)
Steering angle: -0.4676908001142762 (pred)	15.230000000000002 (actual)
Steering angle: -0.009725762491275032 (pred)	15.230000000000002 (actual)
Steering angle: 0.5261695991274561 (pred)	15.030000000000001 (actual)
Steering angle: 1.0592310725708665 (pred)	14.52 (actual)
Steering angle: 0.09942514275717156 (pred)	13.92 (actual)
Steering angle: 0.25118404870862704 (pred)	13.11 (actual)
Steering angle: -0.09632018144916607 (pred)	11.899999999999999 (actual)
Steering angle: 0.08635365478964808 (pred)	10.99 (actual)
Steering angle: 0.5818695783654985 (pred)	10.389999999999999 (actual)
Steering angle: 0.8077364636984155 (pred)	10.18 (actual)
Steering angle: 1.58867660117899 (pred)	9.48 (actual)
Steering angle: 1.8920345439666404 (pred)	9.08 (actual)
Steering angle: 1.5822852516631505 (pred)	9.08 (actual)
Steering angle: 1.2500900367562946 (pred)	9.08 (actual)
Steering angle: 1.0303737367709742 (pred)	8.87 (actual)
Steering angle: 1.2547518543082399 (pred)	8.87 (actual)
Steering angle: 0.9595026267258641 (pred)	0.0 (actual)
Steering angle: 0.4029995171641467 (pred)	8.17 (actual)
Steering angle: -1.710256316282744 (pred)	6.55 (actual)
Steering angle: -1.9083983965575215 (pred)	4.24 (actual)
Steering angle: -1.4679822493463985 (pred)	2.62 (actual)
Steering angle: -2.2867114756271265 (pred)	2.02 (actual)
Steering angle: -3.750279288335581 (pred)	1.51 (actual)

Steering angle: -6.107420259589294 (pred)	1.21 (actual)
Steering angle: -5.963485121888676 (pred)	0.71 (actual)
Steering angle: -5.502014489674166 (pred)	0.0 (actual)
Steering angle: -3.121392181827596 (pred)	-0.4 (actual)
Steering angle: -4.956477035381493 (pred)	-1.01 (actual)
Steering angle: -7.709699822830599 (pred)	-1.92 (actual)
Steering angle: -1.4805173540206646 (pred)	-2.22 (actual)
Steering angle: -0.4856392565926004 (pred)	-2.52 (actual)
Steering angle: 0.3732250150247686 (pred)	-2.7200000000000006 (actual)
Steering angle: 0.20276483768240666 (pred)	-2.92 (actual)
Steering angle: -0.6298911443159771 (pred)	-2.92 (actual)
Steering angle: -2.086136140460532 (pred)	-2.92 (actual)
Steering angle: -1.4937320625173467 (pred)	-2.92 (actual)
Steering angle: -3.983095677705575 (pred)	-3.03 (actual)
Steering angle: -3.1301873310444566 (pred)	-3.03 (actual)
Steering angle: -3.228480156503287 (pred)	-3.13 (actual)
Steering angle: -2.736622439558213 (pred)	-3.13 (actual)
Steering angle: -1.8480784346762 (pred)	-3.23 (actual)
Steering angle: -2.251865984915837 (pred)	-3.23 (actual)
Steering angle: -2.10994660679402 (pred)	-3.23 (actual)
Steering angle: -2.611786645211067 (pred)	-3.23 (actual)
Steering angle: -4.718828287173715 (pred)	-3.23 (actual)
Steering angle: -5.79659969480317 (pred)	-3.3299999999999996 (actual)
Steering angle: -5.474175492390841 (pred)	-3.3299999999999996 (actual)
Steering angle: -4.645608659271179 (pred)	-3.4300000000000006 (actual)
Steering angle: -3.7514788403085646 (pred)	-3.53 (actual)
Steering angle: -3.1320430080645845 (pred)	-3.53 (actual)
Steering angle: -3.3866741678699523 (pred)	-3.53 (actual)
Steering angle: -3.0948291492585933 (pred)	-3.3299999999999996 (actual)
Steering angle: -1.5702101175408025 (pred)	-2.62 (actual)
Steering angle: -1.6278919188552066 (pred)	-1.92 (actual)
Steering angle: -1.6523269206109272 (pred)	-1.31 (actual)
Steering angle: -0.9087622185988972 (pred)	-0.61 (actual)
Steering angle: -1.0294755668951174 (pred)	-0.5 (actual)
Steering angle: -1.2295783383485117 (pred)	-0.5 (actual)
Steering angle: -1.6881188194090864 (pred)	-0.5 (actual)
Steering angle: -5.284812766520469 (pred)	-0.5 (actual)
Steering angle: -6.36438649031716 (pred)	-0.5 (actual)
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Steering angle: -8.811359817082174 (pred)	-0.3 (actual)
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Steering angle: -3.857193093187437 (pred)	-0.3 (actual)
Steering angle: -2.8945505004340712 (pred)	-0.3 (actual)
Steering angle: -3.1575076608376844 (pred)	-0.3 (actual)
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Steering angle: -2.904591305400813 (pred)	-0.4 (actual)
Steering angle: -1.7720050683610675 (pred)	-0.5 (actual)



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Steering angle: -1.1538588612097502 (pred)	-0.71 (actual)
Steering angle: -1.228890623676456 (pred)	-0.91 (actual)
Steering angle: -1.5822064910442837 (pred)	-1.11 (actual)
Steering angle: -1.1099949594731053 (pred)	-1.21 (actual)
Steering angle: -0.5981798566600773 (pred)	-1.31 (actual)
Steering angle: -1.0960622273399256 (pred)	-1.41 (actual)
Steering angle: -2.9911268139771128 (pred)	-1.41 (actual)
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Steering angle: -3.4319399659337426 (pred)	-3.13 (actual)
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Steering angle: -2.1295701671662894 (pred)	-4.44 (actual)
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Steering angle: -4.380161894915096 (pred)	-5.75 (actual)
Steering angle: -3.384805684245131 (pred)	-6.76 (actual)
Steering angle: -3.138895822236223 (pred)	-7.760000000000002 (actual)
Steering angle: -2.3214412800093487 (pred)	-7.969999999999999 (actual)
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Steering angle: -4.096872968899647 (pred)	-8.67 (actual)
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Steering angle: -1.2243169582534863 (pred)	-12.910000000000002 (actual)
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Steering angle: -1.7329402282900026 (pred)	-14.420000000000002 (actual)
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Steering angle: -7.612657348876704 (pred)	-15.53 (actual)
Steering angle: -9.691184658601841 (pred)	-15.53 (actual)
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Steering angle: -5.846267976673857 (pred)	-16.24 (actual)
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Steering angle: -6.301084297089482 (pred)	-19.46 (actual)
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Steering angle: -6.837989246044906 (pred)	-19.46 (actual)
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Steering angle: -8.483416821820473 (pred)	-22.29 (actual)
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Steering angle: -14.836277367913237 (pred)	-74.01999999999998 (actual)
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Steering angle: -12.98480689054048 (pred)	-75.23 (actual)
Steering angle: -14.757556022634255 (pred)	-75.73000000000002 (actual)
Steering angle: -16.06816004133298 (pred)	-76.03 (actual)
Steering angle: -16.39408300814765 (pred)	-76.44 (actual)
Steering angle: -17.766073352011865 (pred)	-77.24 (actual)
Steering angle: -20.6143271227043 (pred)	-77.75 (actual)
Steering angle: -20.639281218836942 (pred)	-77.85 (actual)
Steering angle: -21.52007167835052 (pred)	-77.85 (actual)
Steering angle: -23.30799663700642 (pred)	-77.85 (actual)
Steering angle: -23.3654214524533 (pred)	-77.95 (actual)
Steering angle: -22.98737389698768 (pred)	-77.85 (actual)
Steering angle: -23.175733438823706 (pred)	-77.24 (actual)
Steering angle: -23.881312470653533 (pred)	-76.84 (actual)
Steering angle: -23.811203993917935 (pred)	-76.44 (actual)
Steering angle: -21.9998958826385 (pred)	-75.63 (actual)
Steering angle: -21.870477458245098 (pred)	-74.32 (actual)
Steering angle: -19.510933967950834 (pred)	-73.61 (actual)
Steering angle: -17.698574007539214 (pred)	-72.5 (actual)
Steering angle: -17.101663285404292 (pred)	-71.7 (actual)

Steering angle: -15.378823199349446 (pred)	-70.08 (actual)
Steering angle: -14.7385271156066 (pred)	-69.07999999999998 (actual)
Steering angle: -15.170273618326862 (pred)	-68.97 (actual)
Steering angle: -14.375830410300583 (pred)	-68.97 (actual)
Steering angle: -12.663941678806205 (pred)	-68.37 (actual)
Steering angle: -14.119887000400926 (pred)	-67.16 (actual)
Steering angle: -14.871623596868053 (pred)	-65.14 (actual)
Steering angle: -13.869026105017404 (pred)	-64.03 (actual)
Steering angle: -14.51874528849393 (pred)	-63.32999999999999 (actual)
Steering angle: -14.241233848742665 (pred)	-63.230000000000004 (actual)
Steering angle: -14.713610585514393 (pred)	-63.230000000000004 (actual)
Steering angle: -16.16672308615085 (pred)	-63.230000000000004 (actual)
Steering angle: -14.884337994008032 (pred)	-63.230000000000004 (actual)
Steering angle: -17.343277812198906 (pred)	-63.230000000000004 (actual)
Steering angle: -16.79472141429309 (pred)	-63.230000000000004 (actual)
Steering angle: -17.35478668095038 (pred)	-63.230000000000004 (actual)
Steering angle: -17.524059259150803 (pred)	-63.230000000000004 (actual)
Steering angle: -15.573128420857968 (pred)	-63.230000000000004 (actual)
Steering angle: -14.866876615394894 (pred)	-63.230000000000004 (actual)
Steering angle: -14.675935262052603 (pred)	-63.230000000000004 (actual)
Steering angle: -14.25393800059889 (pred)	-63.230000000000004 (actual)
Steering angle: -16.672802537608362 (pred)	-63.230000000000004 (actual)
Steering angle: -18.506042386312707 (pred)	-63.230000000000004 (actual)
Steering angle: -19.999500814376432 (pred)	-63.32999999999999 (actual)
Steering angle: -20.745227698147595 (pred)	-63.62999999999995 (actual)
Steering angle: -19.884763881603973 (pred)	-64.03 (actual)
Steering angle: -19.643326939727775 (pred)	-64.74 (actual)
Steering angle: -18.317191070856442 (pred)	-65.55 (actual)
Steering angle: -16.292576151797505 (pred)	-66.66 (actual)
Steering angle: -17.7014700077473 (pred)	-66.96 (actual)
Steering angle: -17.59277437729572 (pred)	-66.96 (actual)
Steering angle: -18.45148625031723 (pred)	-66.96 (actual)
Steering angle: -17.869444850005426 (pred)	-66.76 (actual)
Steering angle: -17.120053569744552 (pred)	-65.65000000000002 (actual)
Steering angle: -17.734992576193722 (pred)	-64.33999999999999 (actual)
Steering angle: -15.070535780971749 (pred)	-63.03 (actual)
Steering angle: -14.612086653691323 (pred)	-62.42 (actual)
Steering angle: -14.763389004185447 (pred)	-62.42 (actual)
Steering angle: -12.372427497482768 (pred)	-62.12 (actual)
Steering angle: -11.612901924040889 (pred)	-61.50999999999984 (actual)
Steering angle: -10.599525539906313 (pred)	-60.610000000000014 (actual)
Steering angle: -9.749670714691016 (pred)	-59.69999999999996 (actual)
Steering angle: -11.001818559378188 (pred)	-59.5 (actual)
Steering angle: -11.704872128762403 (pred)	-59.29 (actual)
Steering angle: -12.428887548709387 (pred)	-58.99000000000001 (actual)
Steering angle: -10.888498890858505 (pred)	-58.99000000000001 (actual)
Steering angle: -12.327534371615567 (pred)	-58.89 (actual)
Steering angle: -12.7117290973342 (pred)	-58.79000000000001 (actual)

Steering angle: -13.018565100513268 (pred)	-58.38999999999999 (actual)
Steering angle: -12.720944730071839 (pred)	-57.480000000000004 (actual)
Steering angle: -12.012145264048351 (pred)	-56.47 (actual)
Steering angle: -13.230772247836393 (pred)	-55.660000000000004 (actual)
Steering angle: -13.288468563302784 (pred)	-54.86 (actual)
Steering angle: -15.444287147449431 (pred)	-53.95 (actual)
Steering angle: -14.066751543752812 (pred)	-52.84 (actual)
Steering angle: -13.002135080464802 (pred)	-51.83 (actual)
Steering angle: -12.18586088030387 (pred)	-51.330000000000005 (actual)
Steering angle: -11.728236498365725 (pred)	-50.82 (actual)
Steering angle: -10.905816835499074 (pred)	-50.12 (actual)
Steering angle: -11.37930774687916 (pred)	-49.61 (actual)
Steering angle: -11.23922910473866 (pred)	-49.010000000000005 (actual)
Steering angle: -10.333536629284861 (pred)	-48.100000000000001 (actual)
Steering angle: -11.4919990379952 (pred)	-47.39 (actual)
Steering angle: -10.770684957864956 (pred)	0.0 (actual)
Steering angle: -10.122453901853849 (pred)	-45.78 (actual)
Steering angle: -7.8651924943805245 (pred)	-44.57 (actual)
Steering angle: -6.743227201500149 (pred)	-42.55 (actual)
Steering angle: -5.407405270612089 (pred)	-41.14 (actual)
Steering angle: -5.538960690442058 (pred)	-40.24 (actual)
Steering angle: -7.968198577253487 (pred)	-38.62 (actual)
Steering angle: -7.148886650459192 (pred)	-37.82 (actual)
Steering angle: -8.080432245695135 (pred)	-36.61 (actual)
Steering angle: -8.10185513402688 (pred)	-35.39 (actual)
Steering angle: -8.534203547167749 (pred)	-34.08 (actual)
Steering angle: -9.087255063321084 (pred)	-33.08 (actual)
Steering angle: -10.095034961204478 (pred)	-31.87 (actual)
Steering angle: -12.280011622917911 (pred)	-31.06 (actual)
Steering angle: -12.177852483502031 (pred)	-30.25 (actual)
Steering angle: -10.4931146077321 (pred)	-29.75 (actual)
Steering angle: -9.726882642298914 (pred)	-29.24 (actual)
Steering angle: -9.841712636398814 (pred)	-28.740000000000002 (actual)
Steering angle: -8.947845779719245 (pred)	-28.24 (actual)
Steering angle: -6.9957384413418735 (pred)	-27.63 (actual)
Steering angle: -5.680599177034258 (pred)	-27.130000000000003 (actual)
Steering angle: -6.045138325868887 (pred)	-26.12 (actual)
Steering angle: -5.377617961868017 (pred)	-25.01 (actual)
Steering angle: -4.962148653713542 (pred)	-23.9 (actual)
Steering angle: -5.6824527196202705 (pred)	-22.49 (actual)
Steering angle: -5.089168827934623 (pred)	-21.38 (actual)
Steering angle: -4.722335589312517 (pred)	-20.370000000000005 (actual)
Steering angle: -3.865618985302294 (pred)	-18.55 (actual)
Steering angle: -3.3865584815408853 (pred)	-17.65 (actual)
Steering angle: -2.8314442482582076 (pred)	-16.24 (actual)
Steering angle: -2.1209052184304817 (pred)	-15.13 (actual)
Steering angle: -1.9545901121406715 (pred)	-14.32 (actual)
Steering angle: -2.017045361911268 (pred)	-13.610000000000001 (actual)



Steering angle: -1.6437699742413705 (pred)	-12.709999999999999 (actual)
Steering angle: -1.368823270523446 (pred)	-11.8 (actual)
Steering angle: -1.1106856623529229 (pred)	-10.69 (actual)
Steering angle: -0.6380724302811831 (pred)	-9.08 (actual)
Steering angle: -0.43041461583210855 (pred)	-8.07 (actual)
Steering angle: -0.35985449283764553 (pred)	-7.16 (actual)
Steering angle: -0.2663479224397016 (pred)	-5.949999999999999 (actual)
Steering angle: -0.2892815632384888 (pred)	-4.54 (actual)
Steering angle: -0.2750901376904948 (pred)	-3.7300000000000004 (actual)
Steering angle: -0.32294585811018917 (pred)	-2.82 (actual)
Steering angle: -0.28049665930538303 (pred)	-2.82 (actual)
Steering angle: -0.16379433959925266 (pred)	-2.82 (actual)
Steering angle: -0.163378124946705 (pred)	-2.82 (actual)
Steering angle: -0.07449303129592094 (pred)	-3.03 (actual)
Steering angle: -0.059082416981079675 (pred)	-3.7300000000000004 (actual)
Steering angle: -0.049428798362912904 (pred)	-3.829999999999999 (actual)
Steering angle: -0.0039918186830493274 (pred)	-3.829999999999999 (actual)
Steering angle: 0.05017286209562116 (pred)	-3.4300000000000006 (actual)
Steering angle: 0.04813639850589955 (pred)	-2.42 (actual)
Steering angle: 0.013925475057186621 (pred)	-1.11 (actual)
Steering angle: -0.032988106143869086 (pred)	0.5 (actual)
Steering angle: -0.11358946099189705 (pred)	1.6100000000000003 (actual)
Steering angle: -0.10491042499092648 (pred)	2.52 (actual)
Steering angle: -0.09953549300094956 (pred)	2.92 (actual)
Steering angle: 0.07956679463218261 (pred)	3.03 (actual)
Steering angle: 0.13541276916373404 (pred)	3.4300000000000006 (actual)
Steering angle: 0.14675472516736335 (pred)	4.03 (actual)
Steering angle: 0.1685300085715987 (pred)	4.24 (actual)
Steering angle: 0.1493322678053969 (pred)	4.24 (actual)
Steering angle: 0.204622222249827 (pred)	4.24 (actual)
Steering angle: 0.16404791037218938 (pred)	4.24 (actual)
Steering angle: 0.11112120138058369 (pred)	4.34 (actual)
Steering angle: 0.14662986077159906 (pred)	4.34 (actual)
Steering angle: 0.16082406108394337 (pred)	4.24 (actual)
Steering angle: 0.17425370709606938 (pred)	4.24 (actual)
Steering angle: 0.07081753574880784 (pred)	4.13 (actual)
Steering angle: 0.01629213560459604 (pred)	4.34 (actual)
Steering angle: -0.4261017782580686 (pred)	4.74 (actual)
Steering angle: -0.5168395607212186 (pred)	5.24 (actual)
Steering angle: -0.419638711755944 (pred)	5.75 (actual)
Steering angle: -0.3203751456613256 (pred)	5.75 (actual)
Steering angle: -0.36016227823711927 (pred)	5.849999999999999 (actual)
Steering angle: -0.22515419778170845 (pred)	5.849999999999999 (actual)
Steering angle: -0.15117428444718473 (pred)	5.849999999999999 (actual)
Steering angle: -0.0575819097977925 (pred)	5.55 (actual)
Steering angle: 0.015434519976936314 (pred)	5.24 (actual)
Steering angle: 0.005475677280234598 (pred)	4.84 (actual)
Steering angle: 0.12507421063786192 (pred)	4.84 (actual)

Steering angle: 0.1702454532703297 (pred)	4.84 (actual)
Steering angle: 0.21604827495761209 (pred)	4.74 (actual)
Steering angle: 0.1392214533996624 (pred)	4.74 (actual)
Steering angle: 0.08326384796386356 (pred)	4.64 (actual)
Steering angle: 0.1788495706338417 (pred)	4.84 (actual)
Steering angle: 0.3981752691760021 (pred)	5.24 (actual)
Steering angle: 0.40061001817170006 (pred)	5.65 (actual)
Steering angle: 0.5727862805430277 (pred)	5.849999999999999 (actual)
Steering angle: 0.7768757480375937 (pred)	6.45 (actual)
Steering angle: 0.9900675098182595 (pred)	7.16 (actual)
Steering angle: 0.9410216289356905 (pred)	7.659999999999998 (actual)
Steering angle: 1.1269280656426248 (pred)	7.969999999999999 (actual)
Steering angle: 1.4667681832214288 (pred)	8.570000000000002 (actual)
Steering angle: 1.4462135826879217 (pred)	9.18 (actual)
Steering angle: 1.565085554672589 (pred)	10.18 (actual)
Steering angle: 0.619990144783809 (pred)	11.8 (actual)
Steering angle: 0.3677621443492278 (pred)	13.01 (actual)
Steering angle: 0.34579518876140897 (pred)	14.12 (actual)
Steering angle: 0.6159665230324368 (pred)	14.920000000000002 (actual)
Steering angle: 0.5686689571339795 (pred)	15.83 (actual)
Steering angle: 0.5439140037043261 (pred)	0.0 (actual)
Steering angle: 0.5234610022347228 (pred)	17.140000000000004 (actual)
Steering angle: 0.5878965799778 (pred)	18.05 (actual)
Steering angle: -0.38979974970627396 (pred)	18.96 (actual)
Steering angle: 0.07889210000823228 (pred)	19.87 (actual)
Steering angle: -2.1035462926548947 (pred)	20.67 (actual)
Steering angle: -0.7534240800789435 (pred)	21.28 (actual)
Steering angle: 0.9655765858887094 (pred)	21.98 (actual)
Steering angle: 1.9968090055044012 (pred)	22.69 (actual)
Steering angle: 2.372578479438411 (pred)	22.789999999999996 (actual)
Steering angle: 1.612979481462953 (pred)	22.89 (actual)
Steering angle: 1.5364455042656677 (pred)	22.99 (actual)
Steering angle: 1.194755899525671 (pred)	23.189999999999998 (actual)
Steering angle: 1.0751742281975571 (pred)	23.5 (actual)
Steering angle: 1.242934132940237 (pred)	23.9 (actual)
Steering angle: 1.2892152813128317 (pred)	24.810000000000002 (actual)
Steering angle: 1.3629407701007725 (pred)	25.71 (actual)
Steering angle: 1.639377308831406 (pred)	26.42 (actual)
Steering angle: 3.9616890110731084 (pred)	26.920000000000005 (actual)
Steering angle: 11.23195666081989 (pred)	27.23 (actual)
Steering angle: 14.08327206380778 (pred)	27.73 (actual)
Steering angle: 15.766238359261738 (pred)	28.44 (actual)
Steering angle: 20.957506562457006 (pred)	29.24 (actual)
Steering angle: 19.367817599176973 (pred)	29.95 (actual)
Steering angle: 15.980747280335159 (pred)	30.35 (actual)
Steering angle: 15.337056592574816 (pred)	30.449999999999992 (actual)
Steering angle: 14.157903833321217 (pred)	30.449999999999992 (actual)
Steering angle: 13.468538816807353 (pred)	30.449999999999992 (actual)

Steering angle: 11.906967181019326 (pred)	30.449999999999992 (actual)
Steering angle: 8.24981922956416 (pred)	30.449999999999992 (actual)
Steering angle: 7.57160278932305 (pred)	30.449999999999992 (actual)
Steering angle: 7.176271440162712 (pred)	30.449999999999992 (actual)
Steering angle: 5.36298769666585 (pred)	30.449999999999992 (actual)
Steering angle: 4.972895956372557 (pred)	30.449999999999992 (actual)
Steering angle: 3.9313309546465174 (pred)	30.449999999999992 (actual)
Steering angle: 3.5231812614047695 (pred)	30.35 (actual)
Steering angle: 2.9814977413512755 (pred)	29.95 (actual)
Steering angle: 2.751014715356488 (pred)	29.450000000000003 (actual)
Steering angle: 2.5200251881460614 (pred)	29.24 (actual)
Steering angle: 2.6451824282710215 (pred)	29.14 (actual)
Steering angle: 2.565668354161495 (pred)	28.939999999999998 (actual)
Steering angle: 3.3708392280529242 (pred)	28.54 (actual)
Steering angle: 3.979564896791501 (pred)	28.03 (actual)
Steering angle: 2.6760918090296792 (pred)	27.33 (actual)
Steering angle: 0.9803490044029777 (pred)	26.920000000000005 (actual)
Steering angle: 0.6338889394145503 (pred)	26.62 (actual)
Steering angle: 4.259903607972328 (pred)	26.62 (actual)
Steering angle: 4.761958797348231 (pred)	26.62 (actual)
Steering angle: -1.6243590035070175 (pred)	26.62 (actual)
Steering angle: -2.6796953741470957 (pred)	26.520000000000003 (actual)
Steering angle: -1.6547375505011186 (pred)	26.42 (actual)
Steering angle: -4.893129592150563 (pred)	26.12 (actual)
Steering angle: 0.8085622762577522 (pred)	25.61 (actual)
Steering angle: 2.3226474487280906 (pred)	24.91 (actual)
Steering angle: 2.818810959614623 (pred)	23.9 (actual)
Steering angle: 2.2203019732139158 (pred)	23.39 (actual)
Steering angle: 0.7475921657448104 (pred)	23.189999999999998 (actual)
Steering angle: 0.3628945673485359 (pred)	22.89 (actual)
Steering angle: 1.8022282285515507 (pred)	22.179999999999996 (actual)
Steering angle: 1.757423681700148 (pred)	21.28 (actual)
Steering angle: 1.4678279297598387 (pred)	19.66 (actual)
Steering angle: 1.0558836395473257 (pred)	18.66 (actual)
Steering angle: 0.5787637632838467 (pred)	18.05 (actual)
Steering angle: 0.7937211289649608 (pred)	17.65 (actual)
Steering angle: 1.1648008242601107 (pred)	17.55 (actual)
Steering angle: 1.796567068946668 (pred)	17.34 (actual)
Steering angle: 1.973544740861103 (pred)	16.74 (actual)
Steering angle: 2.137130332803847 (pred)	16.24 (actual)
Steering angle: 2.055113421250334 (pred)	16.24 (actual)
Steering angle: 1.9856958608379673 (pred)	16.24 (actual)
Steering angle: 1.792738107586641 (pred)	16.24 (actual)
Steering angle: 1.5914914928906814 (pred)	16.24 (actual)
Steering angle: 1.8698078277469494 (pred)	16.03 (actual)
Steering angle: 1.8234999989479093 (pred)	15.83 (actual)
Steering angle: 1.8608959249839636 (pred)	15.63 (actual)
Steering angle: 1.8787570831069587 (pred)	15.63 (actual)

Steering angle: 2.0177249657336844 (pred)	15.33 (actual)
Steering angle: 2.2297084243614926 (pred)	14.52 (actual)
Steering angle: 2.2119177025643135 (pred)	13.41 (actual)
Steering angle: 2.0991062428075633 (pred)	12.709999999999999 (actual)
Steering angle: 2.4372287812535207 (pred)	11.8 (actual)
Steering angle: 2.7268785343769553 (pred)	11.290000000000001 (actual)
Steering angle: 2.3048165995695378 (pred)	10.69 (actual)
Steering angle: 2.877778544040282 (pred)	9.78 (actual)
Steering angle: 3.0860214068804503 (pred)	8.87 (actual)
Steering angle: 3.230207980919889 (pred)	8.27 (actual)
Steering angle: 3.4269059030720315 (pred)	7.87 (actual)
Steering angle: 4.1315075775203125 (pred)	7.460000000000001 (actual)
Steering angle: 3.6392596860189013 (pred)	7.06 (actual)
Steering angle: 2.4888872094936194 (pred)	6.45 (actual)
Steering angle: 2.1683257277339996 (pred)	6.150000000000001 (actual)
Steering angle: 1.9819317862750556 (pred)	5.75 (actual)
Steering angle: 1.7289861890908 (pred)	5.139999999999999 (actual)
Steering angle: 1.5422178678879748 (pred)	4.84 (actual)
Steering angle: 2.528764628632504 (pred)	4.64 (actual)
Steering angle: 2.222850274104565 (pred)	4.64 (actual)
Steering angle: 2.3966773078209203 (pred)	4.44 (actual)
Steering angle: 3.231675617817795 (pred)	4.13 (actual)
Steering angle: 2.8706838984833425 (pred)	4.03 (actual)
Steering angle: 5.879560026235791 (pred)	3.7300000000000004 (actual)
Steering angle: 5.27898960336621 (pred)	3.13 (actual)
Steering angle: 5.867707940478526 (pred)	2.7200000000000006 (actual)
Steering angle: 9.107801126118128 (pred)	2.22 (actual)
Steering angle: 19.955340226297714 (pred)	1.71 (actual)
Steering angle: 20.657913974892736 (pred)	1.41 (actual)
Steering angle: 13.90899637204032 (pred)	1.21 (actual)
Steering angle: 4.389802280041746 (pred)	1.21 (actual)
Steering angle: 3.262729713209493 (pred)	1.21 (actual)
Steering angle: 0.997142518581335 (pred)	0.0 (actual)
Steering angle: 0.5700352084113935 (pred)	0.91 (actual)
Steering angle: 0.38268397325159004 (pred)	0.61 (actual)
Steering angle: 0.3236903487297205 (pred)	0.4 (actual)
Steering angle: 0.36565972674533326 (pred)	0.4 (actual)
Steering angle: 0.2843217786840017 (pred)	0.4 (actual)
Steering angle: 0.17073808066421686 (pred)	1.41 (actual)
Steering angle: 0.11770742473118005 (pred)	2.32 (actual)
Steering angle: 0.08918263376650275 (pred)	3.23 (actual)
Steering angle: 0.052878257337180906 (pred)	3.9300000000000006 (actual)
Steering angle: 0.038494946162191866 (pred)	4.13 (actual)
Steering angle: 0.03758140836070266 (pred)	4.24 (actual)
Steering angle: 0.09269868708517837 (pred)	4.24 (actual)
Steering angle: 0.08630797789957362 (pred)	4.24 (actual)
Steering angle: 0.043174052630473726 (pred)	4.24 (actual)
Steering angle: -0.027998652955174768 (pred)	4.24 (actual)

Steering angle: 0.02139471380141869 (pred)	3.7300000000000004 (actual)
Steering angle: 0.031835511721429434 (pred)	3.23 (actual)
Steering angle: -0.08319597295898656 (pred)	2.52 (actual)
Steering angle: -0.12607163170009536 (pred)	2.12 (actual)
Steering angle: -0.20756091114022499 (pred)	1.71 (actual)
Steering angle: -0.2466458148919767 (pred)	1.21 (actual)
Steering angle: -0.3468856711510838 (pred)	0.71 (actual)
Steering angle: -0.24005041347468314 (pred)	0.0 (actual)
Steering angle: -0.16104091959009126 (pred)	-0.3 (actual)
Steering angle: -0.21591508626879682 (pred)	-0.61 (actual)
Steering angle: -0.33579472459945253 (pred)	-0.61 (actual)
Steering angle: -0.699415639877537 (pred)	0.0 (actual)
Steering angle: -0.7193000280987366 (pred)	0.0 (actual)
Steering angle: -0.7111166076994151 (pred)	-0.61 (actual)
Steering angle: -0.8071558976189643 (pred)	-0.61 (actual)
Steering angle: -1.289841097395534 (pred)	-0.2 (actual)
Steering angle: -1.7117034626131404 (pred)	0.1 (actual)
Steering angle: -1.7217557935241068 (pred)	0.4 (actual)
Steering angle: -1.711365368249225 (pred)	0.5 (actual)
Steering angle: -1.7387727829543704 (pred)	0.61 (actual)
Steering angle: -1.4202430690294177 (pred)	0.71 (actual)
Steering angle: -1.336388409702348 (pred)	0.71 (actual)
Steering angle: -1.4397774100556542 (pred)	0.71 (actual)
Steering angle: -1.5734403701313955 (pred)	0.71 (actual)
Steering angle: -1.3854398401136176 (pred)	0.71 (actual)
Steering angle: -1.3883413898504038 (pred)	1.01 (actual)
Steering angle: -1.2417258297873794 (pred)	1.41 (actual)
Steering angle: -1.2306575082373736 (pred)	1.82 (actual)
Steering angle: -1.303526662058124 (pred)	2.02 (actual)
Steering angle: -1.3210759793568256 (pred)	2.02 (actual)
Steering angle: -1.3498041818927224 (pred)	2.02 (actual)
Steering angle: -1.3745576412184948 (pred)	2.12 (actual)
Steering angle: -1.2950106968235875 (pred)	2.12 (actual)
Steering angle: -1.1677292678667537 (pred)	2.12 (actual)
Steering angle: -0.7190870115739968 (pred)	2.22 (actual)
Steering angle: -0.6275441205624316 (pred)	2.22 (actual)
Steering angle: -0.554701860611538 (pred)	2.32 (actual)
Steering angle: -0.7479129711923894 (pred)	2.32 (actual)
Steering angle: -0.5696988215947705 (pred)	2.32 (actual)
Steering angle: -0.46443621497476517 (pred)	2.32 (actual)
Steering angle: -0.3672259744993818 (pred)	2.32 (actual)
Steering angle: -0.3527216409100366 (pred)	2.32 (actual)
Steering angle: -0.3236835185405505 (pred)	2.32 (actual)
Steering angle: -0.2898395043163142 (pred)	2.42 (actual)
Steering angle: -0.4016936703722049 (pred)	2.42 (actual)
Steering angle: -0.3369661020421097 (pred)	2.42 (actual)
Steering angle: -0.3272309480407259 (pred)	2.62 (actual)
Steering angle: -0.3304693114809582 (pred)	2.92 (actual)

Steering angle: -0.3764189822353958 (pred)	3.23 (actual)
Steering angle: -0.2981970945394711 (pred)	4.03 (actual)
Steering angle: -0.2840722633358847 (pred)	4.54 (actual)
Steering angle: -0.19724433728574386 (pred)	5.24 (actual)
Steering angle: -0.08995572580318356 (pred)	5.75 (actual)
Steering angle: -0.036230738452332635 (pred)	6.0500000000000001 (actual)
Steering angle: -0.007543090164632832 (pred)	6.1500000000000001 (actual)
Steering angle: 0.04945739978006233 (pred)	6.25 (actual)
Steering angle: 0.1446851778488495 (pred)	6.25 (actual)
Steering angle: 0.11106463887651953 (pred)	6.25 (actual)
Steering angle: 0.17025185657267658 (pred)	6.25 (actual)
Steering angle: 0.28329468898756105 (pred)	5.949999999999999 (actual)
Steering angle: 0.35153745686268567 (pred)	5.65 (actual)
Steering angle: 0.3569569985256792 (pred)	5.65 (actual)
Steering angle: 0.33945442533410997 (pred)	5.65 (actual)
Steering angle: 0.3280535589488893 (pred)	5.65 (actual)
Steering angle: 0.368650282384741 (pred)	5.55 (actual)
Steering angle: 0.3514540004887646 (pred)	5.3400000000000001 (actual)
Steering angle: 0.41232379259827195 (pred)	5.139999999999999 (actual)
Steering angle: 0.4845361810416433 (pred)	4.94 (actual)
Steering angle: 0.5687803745948152 (pred)	4.64 (actual)
Steering angle: 0.5725278005716251 (pred)	4.54 (actual)
Steering angle: 0.3443136780417509 (pred)	4.44 (actual)
Steering angle: 0.3462730885598983 (pred)	4.44 (actual)
Steering angle: 0.21464893995140572 (pred)	4.44 (actual)
Steering angle: 0.350113362420738 (pred)	4.44 (actual)
Steering angle: 0.6326148956909313 (pred)	4.34 (actual)
Steering angle: 1.4830630935903752 (pred)	4.13 (actual)
Steering angle: 1.3128855153249226 (pred)	3.9300000000000006 (actual)
Steering angle: 1.1242587423376191 (pred)	3.4300000000000006 (actual)
Steering angle: 0.8849835553337324 (pred)	2.42 (actual)
Steering angle: 0.8947240454204053 (pred)	1.21 (actual)
Steering angle: 0.9306260810189311 (pred)	0.3 (actual)
Steering angle: 0.592085833816545 (pred)	-0.2 (actual)
Steering angle: 0.6383957970497008 (pred)	-0.2 (actual)
Steering angle: 0.9171817074114073 (pred)	-0.2 (actual)
Steering angle: 1.7499109004999571 (pred)	-0.3 (actual)
Steering angle: 2.3055491373580215 (pred)	-0.81 (actual)
Steering angle: 2.7136529402662837 (pred)	-1.82 (actual)
Steering angle: 3.091140420219963 (pred)	-2.52 (actual)
Steering angle: 1.2151497771702713 (pred)	-3.23 (actual)
Steering angle: 0.9657915234041533 (pred)	-3.63 (actual)
Steering angle: 1.3133057854022898 (pred)	-3.63 (actual)
Steering angle: 1.083718794849243 (pred)	-3.63 (actual)
Steering angle: 0.8383220508017325 (pred)	-3.63 (actual)
Steering angle: 0.35812047856210855 (pred)	-3.63 (actual)
Steering angle: 0.17038034950643746 (pred)	-3.63 (actual)
Steering angle: 0.16204410362443689 (pred)	-3.7300000000000004 (actual)

Steering angle: 0.1428551140381092 (pred)	-3.7300000000000004 (actual)
Steering angle: -0.010480925281384567 (pred)	-3.7300000000000004 (actual)
Steering angle: 1.0015219504997825 (pred)	-3.7300000000000004 (actual)
Steering angle: 0.5870884832216229 (pred)	-3.7300000000000004 (actual)
Steering angle: 0.41012340446847 (pred)	-3.7300000000000004 (actual)
Steering angle: 0.31694041428245545 (pred)	-3.7300000000000004 (actual)
Steering angle: 0.1738381327737564 (pred)	-3.7300000000000004 (actual)
Steering angle: 0.11590276068641575 (pred)	-3.8299999999999999 (actual)
Steering angle: 0.06071184398495084 (pred)	-4.13 (actual)
Steering angle: 0.10624231187907897 (pred)	-4.24 (actual)
Steering angle: 0.03368820053379539 (pred)	-4.24 (actual)
Steering angle: -0.0008268797763946687 (pred)	-4.24 (actual)
Steering angle: -0.06357966966270995 (pred)	-4.24 (actual)
Steering angle: -0.13418034690536987 (pred)	-4.44 (actual)
Steering angle: -0.1099280527099471 (pred)	-4.74 (actual)
Steering angle: -0.1364727291455554 (pred)	-5.1399999999999999 (actual)
Steering angle: -0.191625226032939 (pred)	-5.8499999999999999 (actual)
Steering angle: -0.21178111427364663 (pred)	-6.45 (actual)
Steering angle: -0.14243591117779966 (pred)	-6.96 (actual)
Steering angle: -0.22284516695542103 (pred)	-6.96 (actual)
Steering angle: -0.4137323056711755 (pred)	-6.45 (actual)
Steering angle: -0.07875080046977764 (pred)	-5.05 (actual)
Steering angle: -0.05739109138785527 (pred)	-5.9499999999999999 (actual)
Steering angle: 0.1874778071028603 (pred)	-5.9499999999999999 (actual)
Steering angle: 0.5193648097234193 (pred)	-5.9499999999999999 (actual)
Steering angle: 0.8088335628338488 (pred)	-5.65 (actual)
Steering angle: 0.9659942946451381 (pred)	-5.3400000000000001 (actual)
Steering angle: 0.7874693714402835 (pred)	-5.04 (actual)
Steering angle: 0.9794521151875903 (pred)	-4.44 (actual)
Steering angle: 1.4533739688156222 (pred)	-3.4300000000000006 (actual)
Steering angle: 1.5964068812155634 (pred)	-2.7200000000000006 (actual)
Steering angle: 1.5389082143482804 (pred)	-2.12 (actual)
Steering angle: 1.6861655987498745 (pred)	-1.51 (actual)
Steering angle: 1.5859963922599947 (pred)	-0.81 (actual)
Steering angle: 1.7171853297523105 (pred)	0.2 (actual)
Steering angle: 1.635423483075615 (pred)	1.11 (actual)
Steering angle: 1.5870281777114896 (pred)	1.51 (actual)
Steering angle: 1.5276130024517833 (pred)	1.6100000000000003 (actual)
Steering angle: 1.4023176644395423 (pred)	1.82 (actual)
Steering angle: 1.9091695676034983 (pred)	2.12 (actual)
Steering angle: 1.7529187450557016 (pred)	2.42 (actual)
Steering angle: 1.910201993385228 (pred)	2.7200000000000006 (actual)
Steering angle: 2.0280372707199343 (pred)	2.92 (actual)
Steering angle: 1.7726705849183206 (pred)	2.92 (actual)
Steering angle: 1.6945255368505585 (pred)	3.03 (actual)
Steering angle: 1.2090931069237625 (pred)	3.03 (actual)
Steering angle: 1.2270701648192361 (pred)	2.7200000000000006 (actual)
Steering angle: 0.7249020638786164 (pred)	2.32 (actual)

Steering angle: 0.5921219057530992 (pred)	2.02 (actual)
Steering angle: 0.5459141819140819 (pred)	1.92 (actual)
Steering angle: 0.42862745414709236 (pred)	1.82 (actual)
Steering angle: 0.5400188748867147 (pred)	1.51 (actual)
Steering angle: 0.551354000701174 (pred)	1.11 (actual)
Steering angle: 0.45983352124782284 (pred)	0.5 (actual)
Steering angle: 0.5638161077286854 (pred)	0.0 (actual)
Steering angle: 0.514570657256305 (pred)	-0.3 (actual)
Steering angle: 0.36785968798831203 (pred)	-0.3 (actual)
Steering angle: 0.49981061845990743 (pred)	-0.3 (actual)
Steering angle: 0.30562599247891775 (pred)	-0.5 (actual)
Steering angle: 0.2835290498534571 (pred)	-0.71 (actual)
Steering angle: 0.29798429145814287 (pred)	-0.81 (actual)
Steering angle: 0.10586152883285076 (pred)	-0.81 (actual)
Steering angle: 0.04606578397032787 (pred)	-0.81 (actual)
Steering angle: 0.13689492021362681 (pred)	-0.81 (actual)
Steering angle: 0.17231009139037762 (pred)	-0.81 (actual)
Steering angle: 0.12713628743697108 (pred)	-0.81 (actual)
Steering angle: 0.09875279601074842 (pred)	-0.81 (actual)
Steering angle: -0.10001488690331983 (pred)	-0.81 (actual)
Steering angle: -0.1533684827180513 (pred)	-0.61 (actual)
Steering angle: -0.38484871633166096 (pred)	-0.5 (actual)
Steering angle: -0.47291504105568977 (pred)	-0.2 (actual)
Steering angle: -0.3556223368731764 (pred)	0.0 (actual)
Steering angle: -0.41517646379381007 (pred)	0.0 (actual)
Steering angle: -0.3395910291175102 (pred)	0.0 (actual)
Steering angle: -0.3227200349807556 (pred)	0.0 (actual)
Steering angle: -0.2597495328146462 (pred)	0.0 (actual)
Steering angle: -0.21932078934369445 (pred)	0.1 (actual)
Steering angle: -0.2279434762840124 (pred)	0.1 (actual)
Steering angle: -0.30744047492061394 (pred)	0.2 (actual)
Steering angle: -0.3489863812076859 (pred)	0.3 (actual)
Steering angle: -0.34698983153592655 (pred)	0.5 (actual)
Steering angle: -0.27124815628236265 (pred)	0.71 (actual)
Steering angle: -0.31573275145983254 (pred)	0.81 (actual)
Steering angle: -0.4429249610706331 (pred)	0.91 (actual)
Steering angle: -0.4824410205137419 (pred)	1.01 (actual)
Steering angle: -0.6151328130668721 (pred)	1.01 (actual)
Steering angle: -0.8878059175648286 (pred)	1.11 (actual)
Steering angle: -0.8133192895712547 (pred)	1.11 (actual)
Steering angle: -0.4990674085008454 (pred)	0.81 (actual)
Steering angle: -0.30909081937881827 (pred)	0.71 (actual)
Steering angle: -0.2947465683481453 (pred)	0.71 (actual)
Steering angle: -0.2680089390684841 (pred)	0.71 (actual)
Steering angle: -0.1468217463985941 (pred)	0.71 (actual)
Steering angle: -0.15236273736276695 (pred)	0.71 (actual)
Steering angle: -0.1379920193490601 (pred)	0.71 (actual)
Steering angle: -0.07935783353226253 (pred)	0.71 (actual)



Steering angle: -0.09530034882871853 (pred)	0.71 (actual)
Steering angle: -0.0033724059026937958 (pred)	0.71 (actual)
Steering angle: 0.0785439738039732 (pred)	0.71 (actual)
Steering angle: 0.15176424203674457 (pred)	0.71 (actual)
Steering angle: 0.25588684739559237 (pred)	0.81 (actual)
Steering angle: 0.2797429906191544 (pred)	0.91 (actual)
Steering angle: 0.3323501748236504 (pred)	0.91 (actual)
Steering angle: 0.570026243788108 (pred)	0.91 (actual)
Steering angle: 0.6837888073867825 (pred)	0.91 (actual)
Steering angle: 0.6634083766771107 (pred)	0.91 (actual)
Steering angle: 0.864287014931536 (pred)	0.91 (actual)
Steering angle: 0.8593152775460015 (pred)	0.91 (actual)
Steering angle: 0.9469412685119759 (pred)	0.91 (actual)
Steering angle: 1.1313495459131502 (pred)	0.81 (actual)
Steering angle: 1.0265108379085088 (pred)	0.5 (actual)
Steering angle: 1.0710575451187436 (pred)	0.3 (actual)
Steering angle: 1.1227178943495466 (pred)	0.0 (actual)
Steering angle: 1.1947571801861405 (pred)	-0.1 (actual)
Steering angle: 1.4820389921016965 (pred)	-0.3 (actual)
Steering angle: 1.7012026870944805 (pred)	-0.4 (actual)
Steering angle: 1.645939839963319 (pred)	-0.4 (actual)
Steering angle: 2.0607982730739005 (pred)	-0.5 (actual)
Steering angle: 1.7729455000324137 (pred)	-0.5 (actual)
Steering angle: 1.7923351264256104 (pred)	-0.61 (actual)
Steering angle: 1.8373772357940825 (pred)	-0.71 (actual)
Steering angle: 1.6977434097232806 (pred)	-0.81 (actual)
Steering angle: 1.6320237564162412 (pred)	-0.91 (actual)
Steering angle: 1.56078787158077 (pred)	-1.11 (actual)
Steering angle: 1.2524116607438642 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.2524709980122788 (pred)	-2.12 (actual)
Steering angle: 1.0356598763017408 (pred)	-2.32 (actual)
Steering angle: 0.9258517787890922 (pred)	-2.52 (actual)
Steering angle: 0.8119758767388777 (pred)	-2.52 (actual)
Steering angle: 0.8166880669359519 (pred)	-2.52 (actual)
Steering angle: 0.7648593108534257 (pred)	-2.52 (actual)
Steering angle: 0.8491622013447775 (pred)	-2.62 (actual)
Steering angle: 0.6017509783789362 (pred)	-2.62 (actual)
Steering angle: 0.7024365044813866 (pred)	-2.62 (actual)
Steering angle: 0.6268715603725968 (pred)	-2.62 (actual)
Steering angle: 0.5263010802689788 (pred)	-2.62 (actual)
Steering angle: 0.6326992058384987 (pred)	-2.62 (actual)
Steering angle: 0.8039290601229564 (pred)	-2.62 (actual)
Steering angle: 1.0482385234319656 (pred)	-2.62 (actual)
Steering angle: 1.0814767852541864 (pred)	-2.62 (actual)
Steering angle: 1.0871618505211642 (pred)	-2.62 (actual)
Steering angle: 1.003561829184089 (pred)	-2.62 (actual)
Steering angle: 0.9314343912185198 (pred)	-2.52 (actual)
Steering angle: 0.939718556908099 (pred)	-2.32 (actual)

Steering angle: 0.9789383568959584 (pred)	-2.12 (actual)
Steering angle: 0.924938240987603 (pred)	-1.92 (actual)
Steering angle: 0.910027511142642 (pred)	-1.6100000000000003 (actual)
Steering angle: 0.984744658020704 (pred)	-1.21 (actual)
Steering angle: 0.8332820115244978 (pred)	-0.81 (actual)
Steering angle: 0.8374667830515999 (pred)	-0.2 (actual)
Steering angle: 0.8809373085807346 (pred)	0.5 (actual)
Steering angle: 1.0036401629161327 (pred)	1.71 (actual)
Steering angle: 0.9028466344474314 (pred)	2.42 (actual)
Steering angle: 0.7063149847128961 (pred)	2.92 (actual)
Steering angle: 0.874217896541323 (pred)	3.23 (actual)
Steering angle: 0.8059845201763072 (pred)	3.4300000000000006 (actual)
Steering angle: 0.7158996611091281 (pred)	3.7300000000000004 (actual)
Steering angle: 0.7878542099113315 (pred)	4.44 (actual)
Steering angle: 0.7801559463864923 (pred)	5.55 (actual)
Steering angle: 0.7041843925786753 (pred)	7.16 (actual)
Steering angle: 0.7780409356213156 (pred)	8.469999999999999 (actual)
Steering angle: 0.7818590113673527 (pred)	9.58 (actual)
Steering angle: 0.8356787675929376 (pred)	10.49 (actual)
Steering angle: 1.0158350387923674 (pred)	10.79 (actual)
Steering angle: 0.9512673395775327 (pred)	10.99 (actual)
Steering angle: 0.7330893262593461 (pred)	11.089999999999998 (actual)
Steering angle: 0.6889919174304513 (pred)	11.19 (actual)
Steering angle: 0.8994360221740678 (pred)	11.6 (actual)
Steering angle: 1.0300751294381978 (pred)	12.0 (actual)
Steering angle: 1.2759038829507117 (pred)	12.4 (actual)
Steering angle: 1.3272026590423271 (pred)	12.61 (actual)
Steering angle: 1.0997172323195286 (pred)	12.81 (actual)
Steering angle: 1.1914599063643168 (pred)	12.81 (actual)
Steering angle: 0.8139335797097326 (pred)	12.81 (actual)
Steering angle: 1.1138360871075912 (pred)	12.81 (actual)
Steering angle: 1.060016544325418 (pred)	12.709999999999999 (actual)
Steering angle: 1.0871656925025723 (pred)	12.61 (actual)
Steering angle: 1.0170337369917046 (pred)	12.4 (actual)
Steering angle: 1.1632870835853066 (pred)	12.2 (actual)
Steering angle: 1.263659701646406 (pred)	11.5 (actual)
Steering angle: 1.5707870550822571 (pred)	10.389999999999999 (actual)
Steering angle: 1.5573345706250938 (pred)	9.68 (actual)
Steering angle: 1.5543736836198934 (pred)	9.380000000000003 (actual)
Steering angle: 1.7366938441257478 (pred)	8.77 (actual)
Steering angle: 1.7327792919576843 (pred)	8.37 (actual)
Steering angle: 1.8969170620061415 (pred)	7.969999999999999 (actual)
Steering angle: 2.3195435546371432 (pred)	7.559999999999999 (actual)
Steering angle: 2.3367748412526157 (pred)	7.06 (actual)
Steering angle: 2.2396371715371637 (pred)	6.25 (actual)
Steering angle: 2.276970345210219 (pred)	5.340000000000001 (actual)
Steering angle: 2.4685793495438793 (pred)	4.64 (actual)
Steering angle: 2.184106879811314 (pred)	4.13 (actual)

Steering angle: 2.355244313098565 (pred)	3.7300000000000004 (actual)
Steering angle: 2.304013198568415 (pred)	3.23 (actual)
Steering angle: 2.044067297815131 (pred)	2.7200000000000006 (actual)
Steering angle: 1.8874692028367215 (pred)	2.32 (actual)
Steering angle: 2.0830247758501796 (pred)	2.02 (actual)
Steering angle: 2.03376438433899 (pred)	1.41 (actual)
Steering angle: 1.7493457023461385 (pred)	0.81 (actual)
Steering angle: 1.6654156974947871 (pred)	-0.1 (actual)
Steering angle: 1.578249036750496 (pred)	-0.81 (actual)
Steering angle: 1.522424406560101 (pred)	-1.51 (actual)
Steering angle: 1.6127871689491349 (pred)	-1.71 (actual)
Steering angle: 1.6778935993347543 (pred)	-1.71 (actual)
Steering angle: 1.4722942331467923 (pred)	-1.71 (actual)
Steering angle: 1.663410823529977 (pred)	-1.71 (actual)
Steering angle: 1.611767549772099 (pred)	-1.71 (actual)
Steering angle: 1.4758256543911004 (pred)	-1.71 (actual)
Steering angle: 1.5010920182348586 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.757388036650417 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.6317040181857199 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.7439731182336888 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.786492113034076 (pred)	-1.41 (actual)
Steering angle: 1.3872524015646097 (pred)	-1.41 (actual)
Steering angle: 1.3400049948678696 (pred)	-1.21 (actual)
Steering angle: 1.236230515713281 (pred)	-1.11 (actual)
Steering angle: 1.0755101881273572 (pred)	-0.71 (actual)
Steering angle: 1.0417340489079978 (pred)	-0.3 (actual)
Steering angle: 0.5808439827729387 (pred)	0.0 (actual)
Steering angle: 0.25969681229199015 (pred)	0.1 (actual)
Steering angle: -6.158190763237291 (pred)	0.1 (actual)
Steering angle: -10.073462662484639 (pred)	0.1 (actual)
Steering angle: -6.277130823670247 (pred)	0.1 (actual)
Steering angle: -4.4288466295453 (pred)	0.1 (actual)
Steering angle: -5.52220538263437 (pred)	0.2 (actual)
Steering angle: -5.315629726281919 (pred)	0.0 (actual)
Steering angle: -10.622966749137797 (pred)	-0.1 (actual)
Steering angle: -16.49668610985958 (pred)	-0.1 (actual)
Steering angle: -15.376927821854766 (pred)	-0.2 (actual)
Steering angle: -14.077905242667443 (pred)	-0.3 (actual)
Steering angle: -15.897135519610448 (pred)	-0.5 (actual)
Steering angle: -7.744631971566983 (pred)	-1.31 (actual)
Steering angle: -8.767122389375293 (pred)	-2.32 (actual)
Steering angle: -11.97644728035128 (pred)	-3.13 (actual)
Steering angle: -11.379360680845227 (pred)	-3.9300000000000006 (actual)
Steering angle: -10.996692502406093 (pred)	-4.34 (actual)
Steering angle: -7.152247103530838 (pred)	-4.64 (actual)
Steering angle: -6.914119388307514 (pred)	-4.94 (actual)
Steering angle: -6.79351617681166 (pred)	-5.139999999999999 (actual)
Steering angle: -9.543612445168193 (pred)	-5.55 (actual)

Steering angle: -6.292512409681116 (pred)	-5.949999999999999 (actual)
Steering angle: -6.593217464306451 (pred)	-6.050000000000001 (actual)
Steering angle: -2.5155364732008936 (pred)	-6.050000000000001 (actual)
Steering angle: -1.2195926017819532 (pred)	-6.150000000000001 (actual)
Steering angle: -0.9244063400059882 (pred)	-6.25 (actual)
Steering angle: -0.5201931836036949 (pred)	-6.25 (actual)
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Steering angle: -0.49314904958502936 (pred)	-6.55 (actual)
Steering angle: -0.5822847258009883 (pred)	-6.659999999999999 (actual)
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Steering angle: -0.4844665984894738 (pred)	-7.36 (actual)
Steering angle: -0.6257059459020519 (pred)	-7.559999999999999 (actual)
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Steering angle: -0.2643833892796767 (pred)	-7.659999999999998 (actual)
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Steering angle: -0.757874802096853 (pred)	-7.969999999999999 (actual)
Steering angle: -0.8490569737428769 (pred)	-8.17 (actual)
Steering angle: -0.9156594290001406 (pred)	-8.27 (actual)
Steering angle: -1.4522433590645736 (pred)	-8.37 (actual)
Steering angle: -1.5985891266553824 (pred)	-8.37 (actual)
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Steering angle: -4.5218507541524255 (pred)	-8.67 (actual)
Steering angle: -4.907086229945838 (pred)	-8.77 (actual)
Steering angle: -6.338401035619847 (pred)	-8.77 (actual)
Steering angle: -6.896144037959333 (pred)	-8.87 (actual)
Steering angle: -6.914355883607525 (pred)	-8.97 (actual)
Steering angle: -7.607853164569247 (pred)	-8.97 (actual)
Steering angle: -8.246098484013796 (pred)	-8.97 (actual)
Steering angle: -8.124691871516818 (pred)	-8.97 (actual)
Steering angle: -8.563087563394088 (pred)	-9.08 (actual)
Steering angle: -9.079757223159701 (pred)	-9.28 (actual)
Steering angle: -9.398002203573629 (pred)	-9.380000000000003 (actual)
Steering angle: -9.960523777011186 (pred)	-9.58 (actual)
Steering angle: -10.630613145913626 (pred)	-9.58 (actual)
Steering angle: -10.900774448344311 (pred)	-9.78 (actual)
Steering angle: -11.92429024830177 (pred)	-9.88 (actual)
Steering angle: -11.906542001743492 (pred)	-10.08 (actual)
Steering angle: -11.665472182535185 (pred)	-10.08 (actual)
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Steering angle: -10.759116324958248 (pred)	-10.08 (actual)
Steering angle: -10.70185201895686 (pred)	-9.88 (actual)
Steering angle: -9.90085865951654 (pred)	-9.78 (actual)
Steering angle: -8.701046285570945 (pred)	-9.58 (actual)
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Steering angle: -7.81305936799311 (pred)	-9.48 (actual)
Steering angle: -7.389905243248725 (pred)	-9.380000000000003 (actual)
Steering angle: -7.543935400542621 (pred)	-9.380000000000003 (actual)
Steering angle: -6.984647921677065 (pred)	-9.28 (actual)
Steering angle: -6.832308236202747 (pred)	-9.28 (actual)
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Steering angle: -4.116823951465254 (pred)	-9.08 (actual)
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Steering angle: -2.905823727659177 (pred)	-8.87 (actual)
Steering angle: -2.6746013336867356 (pred)	-8.87 (actual)
Steering angle: -2.164366139006096 (pred)	-8.87 (actual)
Steering angle: -1.6998727211970321 (pred)	-8.87 (actual)
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Steering angle: -1.288387974649614 (pred)	-8.87 (actual)
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Steering angle: -1.3863926515028344 (pred)	-8.77 (actual)
Steering angle: -1.261406166107125 (pred)	-8.77 (actual)
Steering angle: -0.8524998159713865 (pred)	-8.87 (actual)
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Steering angle: 0.21462396707225287 (pred)	-11.8 (actual)
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Steering angle: 0.14340579803994147 (pred)	-12.709999999999999 (actual)
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Steering angle: 0.11953172556980815 (pred)	-13.92 (actual)
Steering angle: 0.052906218424095645 (pred)	-13.92 (actual)
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Steering angle: 0.028996714347642883 (pred)	-15.83 (actual)
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Steering angle: -8.824474634062245 (pred)	-2.82 (actual)
Steering angle: -9.796520689755425 (pred)	-2.02 (actual)
Steering angle: -9.95228486132486 (pred)	-1.21 (actual)
Steering angle: -10.058688963309901 (pred)	-0.81 (actual)
Steering angle: -10.16818543344167 (pred)	-0.4 (actual)
Steering angle: -10.29246755557922 (pred)	-0.1 (actual)
Steering angle: -9.570492654646777 (pred)	0.2 (actual)
Steering angle: -9.567553111982734 (pred)	0.71 (actual)
Steering angle: -8.669802438986366 (pred)	1.21 (actual)
Steering angle: -8.931735071014478 (pred)	1.82 (actual)
Steering angle: -8.500034672071115 (pred)	2.42 (actual)
Steering angle: -7.852331248173391 (pred)	3.03 (actual)

Steering angle: -7.762108718105753 (pred)	3.4300000000000006 (actual)
Steering angle: -8.039151436125225 (pred)	3.4300000000000006 (actual)
Steering angle: -8.489657907174573 (pred)	3.53 (actual)
Steering angle: -8.56366300683166 (pred)	3.7300000000000004 (actual)
Steering angle: -8.360714180928486 (pred)	4.03 (actual)
Steering angle: -8.671326424944926 (pred)	4.44 (actual)
Steering angle: -8.745252123652913 (pred)	4.94 (actual)
Steering angle: -8.5659545352982 (pred)	5.139999999999999 (actual)
Steering angle: -7.905079945359753 (pred)	5.24 (actual)
Steering angle: -7.896828223068731 (pred)	5.24 (actual)
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Steering angle: -8.890286068036255 (pred)	5.24 (actual)
Steering angle: -8.37750022458744 (pred)	5.139999999999999 (actual)
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Steering angle: -7.824355647106665 (pred)	3.03 (actual)
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Steering angle: -7.755279382709387 (pred)	2.12 (actual)
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Steering angle: -5.647944896386074 (pred)	1.21 (actual)
Steering angle: -5.256236962580427 (pred)	0.81 (actual)
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Steering angle: -3.4659278410173724 (pred)	-0.4 (actual)
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Steering angle: -3.19350659974506 (pred)	0.61 (actual)
Steering angle: -3.262377104693591 (pred)	1.11 (actual)
Steering angle: -2.607229201487376 (pred)	1.31 (actual)



Steering angle: -2.391201843984097 (pred)	1.31 (actual)
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Steering angle: -1.2868195924614498 (pred)	1.51 (actual)
Steering angle: -1.1465462899296055 (pred)	1.71 (actual)
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Steering angle: -3.8592515414485495 (pred)	3.13 (actual)
Steering angle: -1.8486069205632298 (pred)	2.92 (actual)
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Steering angle: -1.268346492077504 (pred)	2.82 (actual)
Steering angle: -1.1356320745227482 (pred)	0.0 (actual)
Steering angle: -1.199747487148481 (pred)	2.42 (actual)
Steering angle: -1.418781408547035 (pred)	2.22 (actual)
Steering angle: -1.3994272137601576 (pred)	2.12 (actual)
Steering angle: -1.213891955145931 (pred)	2.02 (actual)
Steering angle: -1.1334434257805823 (pred)	1.71 (actual)
Steering angle: -1.133748222972294 (pred)	1.6100000000000003 (actual)
Steering angle: -1.0913997694577455 (pred)	1.21 (actual)
Steering angle: -0.8121927352450257 (pred)	0.91 (actual)
Steering angle: -0.5831419145418248 (pred)	0.5 (actual)
Steering angle: -0.5020547624890798 (pred)	0.2 (actual)
Steering angle: -0.4305653068806719 (pred)	0.1 (actual)
Steering angle: -0.39247547631362645 (pred)	0.0 (actual)
Steering angle: -0.3237240727887475 (pred)	-0.1 (actual)
Steering angle: -0.23664812549437053 (pred)	-0.2 (actual)
Steering angle: -0.18020813794843954 (pred)	-0.4 (actual)
Steering angle: -0.08501536459914871 (pred)	-0.61 (actual)
Steering angle: -0.06745324069575342 (pred)	-0.71 (actual)
Steering angle: -0.10285795314533765 (pred)	-0.91 (actual)
Steering angle: -0.06955053565777046 (pred)	-1.11 (actual)
Steering angle: -0.052262899981645065 (pred)	-1.41 (actual)
Steering angle: -0.13037550465084966 (pred)	-1.92 (actual)
Steering angle: -0.046941755731382005 (pred)	-2.22 (actual)

Steering angle: -0.07358717745724801 (pred)	-2.62 (actual)
Steering angle: -0.16841325502547377 (pred)	-3.3299999999999996 (actual)
Steering angle: -0.13907332367203776 (pred)	-4.24 (actual)
Steering angle: -0.03944220802270801 (pred)	-5.139999999999999 (actual)
Steering angle: 0.06406482653719241 (pred)	-5.45 (actual)
Steering angle: 0.2083828817181537 (pred)	-5.45 (actual)
Steering angle: 0.28973107506324025 (pred)	-5.45 (actual)
Steering angle: 0.37652997280940853 (pred)	-5.55 (actual)
Steering angle: 0.6108208292664784 (pred)	-5.75 (actual)
Steering angle: 0.5636679780010607 (pred)	-5.75 (actual)
Steering angle: 0.5630274343229604 (pred)	-5.949999999999999 (actual)
Steering angle: 0.6931186323496084 (pred)	-6.150000000000001 (actual)
Steering angle: 0.7367710116653945 (pred)	-6.25 (actual)
Steering angle: 0.8096175404845193 (pred)	0.0 (actual)
Steering angle: 1.0084910913307228 (pred)	-6.25 (actual)
Steering angle: 0.6563521509342528 (pred)	-6.25 (actual)
Steering angle: 0.6407317217458453 (pred)	-6.45 (actual)
Steering angle: 0.9150477001826014 (pred)	-6.45 (actual)
Steering angle: 1.1582380796847864 (pred)	-6.45 (actual)
Steering angle: 1.3918845504823478 (pred)	-6.150000000000001 (actual)
Steering angle: 0.8477396010067108 (pred)	-6.150000000000001 (actual)
Steering angle: 0.6090936451801114 (pred)	-6.050000000000001 (actual)
Steering angle: 1.6467904119583971 (pred)	-5.949999999999999 (actual)
Steering angle: 3.0404736500699854 (pred)	-5.849999999999999 (actual)
Steering angle: 3.1467129737413027 (pred)	-5.75 (actual)
Steering angle: 3.316456408107636 (pred)	-5.45 (actual)
Steering angle: 8.086652840481726 (pred)	-5.340000000000001 (actual)
Steering angle: 9.641370381437646 (pred)	-5.04 (actual)
Steering angle: 9.955497611555703 (pred)	-4.74 (actual)
Steering angle: 7.8352566290220045 (pred)	-4.24 (actual)
Steering angle: 7.8820929437080745 (pred)	-3.63 (actual)
Steering angle: 1.9711063633274086 (pred)	-2.52 (actual)
Steering angle: -0.6142700747973349 (pred)	-1.82 (actual)
Steering angle: 0.635525410051003 (pred)	-1.51 (actual)
Steering angle: 3.977354476821356 (pred)	-1.51 (actual)
Steering angle: 3.6396336388759596 (pred)	-1.41 (actual)
Steering angle: 3.4307863042942452 (pred)	-1.41 (actual)
Steering angle: 2.576359948090092 (pred)	-1.41 (actual)
Steering angle: 2.21766680085476 (pred)	-1.01 (actual)
Steering angle: 1.5451800355536447 (pred)	-0.3 (actual)
Steering angle: 0.9018502806022558 (pred)	0.1 (actual)
Steering angle: 0.5955918552948772 (pred)	0.81 (actual)
Steering angle: 0.6606880403967416 (pred)	1.41 (actual)
Steering angle: 1.7692377745301544 (pred)	1.6100000000000003 (actual)
Steering angle: 4.3572589899675735 (pred)	1.71 (actual)
Steering angle: 1.7201406672288104 (pred)	1.82 (actual)
Steering angle: 1.6211473204932305 (pred)	2.22 (actual)
Steering angle: 2.41347935973574 (pred)	2.42 (actual)

Steering angle: 2.1601324889377462 (pred)	2.92 (actual)
Steering angle: 3.1227338871126804 (pred)	3.4300000000000006 (actual)
Steering angle: 3.2602840785998053 (pred)	3.9300000000000006 (actual)
Steering angle: 0.3427689880722702 (pred)	4.24 (actual)
Steering angle: 0.3295813868888565 (pred)	4.64 (actual)
Steering angle: 0.03288479953267264 (pred)	4.84 (actual)
Steering angle: 0.47693631492953475 (pred)	4.94 (actual)
Steering angle: 1.3415221506372588 (pred)	5.04 (actual)
Steering angle: 1.5853251127306294 (pred)	5.340000000000001 (actual)
Steering angle: 1.0684057241734861 (pred)	6.35 (actual)
Steering angle: 0.6361574159926408 (pred)	7.969999999999999 (actual)
Steering angle: 0.6847068274999145 (pred)	9.28 (actual)
Steering angle: 1.3622726922225807 (pred)	10.69 (actual)
Steering angle: 2.380993272495867 (pred)	11.8 (actual)
Steering angle: 3.4031417539588533 (pred)	12.910000000000002 (actual)
Steering angle: 3.6093938300993744 (pred)	13.41 (actual)
Steering angle: 8.02533396343429 (pred)	14.32 (actual)
Steering angle: 10.054182746004987 (pred)	15.53 (actual)
Steering angle: 10.344435049879262 (pred)	16.54 (actual)
Steering angle: 3.473882023192675 (pred)	17.34 (actual)
Steering angle: 2.1193067407212873 (pred)	17.65 (actual)
Steering angle: 1.9088741619218952 (pred)	17.850000000000005 (actual)
Steering angle: -0.051281060288455735 (pred)	17.850000000000005 (actual)
Steering angle: 0.5823496125981034 (pred)	17.850000000000005 (actual)
Steering angle: -3.237276159493794 (pred)	18.05 (actual)
Steering angle: -2.647383456731058 (pred)	18.45 (actual)
Steering angle: -3.052701823118424 (pred)	19.060000000000002 (actual)
Steering angle: -3.3738227400597505 (pred)	20.07 (actual)
Steering angle: -0.564359321211113 (pred)	21.28 (actual)
Steering angle: 0.31588984581074286 (pred)	22.179999999999996 (actual)
Steering angle: 0.5045219548833353 (pred)	23.09 (actual)
Steering angle: 0.9969517001713978 (pred)	24.1 (actual)
Steering angle: -0.15260990483335676 (pred)	24.810000000000002 (actual)
Steering angle: -2.0175764091192367 (pred)	25.11 (actual)
Steering angle: -0.8092386784289951 (pred)	25.31 (actual)
Steering angle: -0.43473385670849535 (pred)	25.71 (actual)
Steering angle: -0.2560898320799887 (pred)	26.520000000000003 (actual)
Steering angle: -0.44422781965481306 (pred)	27.23 (actual)
Steering angle: 0.04000313730829531 (pred)	27.93 (actual)
Steering angle: 0.5640784296814961 (pred)	28.44 (actual)
Steering angle: 0.909608521725744 (pred)	28.64 (actual)
Steering angle: 1.5921392936447747 (pred)	28.64 (actual)
Steering angle: 1.2115673429505995 (pred)	28.64 (actual)
Steering angle: 2.117050003530833 (pred)	28.64 (actual)
Steering angle: 0.9305486010605337 (pred)	28.54 (actual)
Steering angle: -0.5785840439313108 (pred)	28.54 (actual)
Steering angle: 0.15276422441991674 (pred)	28.54 (actual)
Steering angle: 0.4078540741167333 (pred)	28.44 (actual)

Steering angle: 0.8645943734441865 (pred)	28.34 (actual)
Steering angle: 2.0478040516213625 (pred)	28.34 (actual)
Steering angle: 2.7750892111900787 (pred)	0.0 (actual)
Steering angle: 1.6390714444226364 (pred)	28.34 (actual)
Steering angle: 1.5743302157142012 (pred)	0.0 (actual)
Steering angle: 0.768684643675456 (pred)	28.34 (actual)
Steering angle: 0.8873271639926931 (pred)	28.34 (actual)
Steering angle: 2.0523469811930672 (pred)	28.34 (actual)
Steering angle: 2.6455358905605695 (pred)	28.34 (actual)
Steering angle: 2.0316628205087417 (pred)	28.34 (actual)
Steering angle: 1.625378836127465 (pred)	28.34 (actual)
Steering angle: 1.514017510908873 (pred)	28.34 (actual)
Steering angle: 3.343022855771224 (pred)	28.34 (actual)
Steering angle: 3.597965642957474 (pred)	28.34 (actual)
Steering angle: 7.8038369050663 (pred)	28.44 (actual)
Steering angle: 10.138525336970888 (pred)	28.44 (actual)
Steering angle: 13.23176604036063 (pred)	28.44 (actual)
Steering angle: 18.331131486952437 (pred)	28.44 (actual)
Steering angle: 17.63547159734476 (pred)	28.44 (actual)
Steering angle: 21.370384667595104 (pred)	28.54 (actual)
Steering angle: 21.663918877365575 (pred)	28.44 (actual)
Steering angle: 20.575760459555823 (pred)	28.54 (actual)
Steering angle: 19.498885514254933 (pred)	28.740000000000002 (actual)
Steering angle: 18.242772744754568 (pred)	28.740000000000002 (actual)
Steering angle: 16.485003071284275 (pred)	28.740000000000002 (actual)
Steering angle: 12.997208806525931 (pred)	28.740000000000002 (actual)
Steering angle: 12.30084369988645 (pred)	28.54 (actual)
Steering angle: 13.60366642557324 (pred)	28.54 (actual)
Steering angle: 14.504360910101882 (pred)	28.54 (actual)
Steering angle: 12.750080609523822 (pred)	28.13 (actual)
Steering angle: 11.4619675499883 (pred)	26.42 (actual)
Steering angle: 11.05296813852512 (pred)	24.3 (actual)
Steering angle: 10.151501842620267 (pred)	22.08 (actual)
Steering angle: 8.457099249174767 (pred)	21.38 (actual)
Steering angle: 6.5889865890024515 (pred)	21.079999999999995 (actual)
Steering angle: 6.790184752043986 (pred)	20.77 (actual)
Steering angle: 6.911559774916052 (pred)	20.17 (actual)
Steering angle: 6.635153972036683 (pred)	19.16 (actual)
Steering angle: 6.886799485401109 (pred)	18.149999999999995 (actual)
Steering angle: 6.232472912442589 (pred)	17.239999999999995 (actual)
Steering angle: 6.34003345083148 (pred)	16.74 (actual)
Steering angle: 9.273084873843267 (pred)	15.83 (actual)
Steering angle: 10.422481913977705 (pred)	15.13 (actual)
Steering angle: 10.201186346190232 (pred)	13.610000000000001 (actual)
Steering angle: 7.3257859886415835 (pred)	11.899999999999999 (actual)
Steering angle: 7.406243055743396 (pred)	10.389999999999999 (actual)
Steering angle: 7.560384203611304 (pred)	9.58 (actual)
Steering angle: 1.5427766627394464 (pred)	8.87 (actual)

Steering angle: -0.3897288864936351 (pred)	0.0 (actual)
Steering angle: 5.797853034515867 (pred)	8.469999999999999 (actual)
Steering angle: 5.559386798041804 (pred)	7.87 (actual)
Steering angle: 3.249694083735112 (pred)	6.96 (actual)
Steering angle: 5.516031318511502 (pred)	5.45 (actual)
Steering angle: 7.86881505596157 (pred)	3.9300000000000006 (actual)
Steering angle: 9.29772648882138 (pred)	2.12 (actual)
Steering angle: 11.680814494958325 (pred)	0.5 (actual)
Steering angle: 10.099869027589556 (pred)	-1.51 (actual)
Steering angle: 10.086802021933675 (pred)	-2.92 (actual)
Steering angle: 8.258415876408268 (pred)	-3.63 (actual)
Steering angle: 12.602290683810377 (pred)	-3.829999999999999 (actual)
Steering angle: 12.51950025333336 (pred)	-4.24 (actual)
Steering angle: 8.784801480268225 (pred)	-4.54 (actual)
Steering angle: 7.45104653537774 (pred)	-5.139999999999999 (actual)
Steering angle: 6.513161670818378 (pred)	-5.949999999999999 (actual)
Steering angle: 4.769015663421323 (pred)	-6.659999999999999 (actual)
Steering angle: 4.888777054101973 (pred)	-7.659999999999998 (actual)
Steering angle: 5.213240067981551 (pred)	-8.37 (actual)
Steering angle: 8.04473767709265 (pred)	-8.87 (actual)
Steering angle: 8.386876366770574 (pred)	-9.28 (actual)
Steering angle: 8.909916885484519 (pred)	-9.58 (actual)
Steering angle: 6.374417903773793 (pred)	-10.29 (actual)
Steering angle: 7.923891140107614 (pred)	-11.19 (actual)
Steering angle: 8.16690414813479 (pred)	-12.2 (actual)
Steering angle: 5.828386541426763 (pred)	-13.21 (actual)
Steering angle: 5.685406776436301 (pred)	-14.52 (actual)
Steering angle: 4.404339483916472 (pred)	-16.03 (actual)
Steering angle: 5.788056408811953 (pred)	-18.05 (actual)
Steering angle: 7.364426076323638 (pred)	-19.66 (actual)
Steering angle: 8.337084287721181 (pred)	-21.28 (actual)
Steering angle: 8.434696228697126 (pred)	-22.99 (actual)
Steering angle: 6.856283053963138 (pred)	-24.4 (actual)
Steering angle: 7.753827967510759 (pred)	-25.61 (actual)
Steering angle: 9.537854595697873 (pred)	-26.42 (actual)
Steering angle: 10.041822664928201 (pred)	-27.43 (actual)
Steering angle: 10.256932642648584 (pred)	-28.939999999999998 (actual)
Steering angle: 9.105271394804285 (pred)	-30.449999999999992 (actual)
Steering angle: 8.81480906261303 (pred)	-31.66 (actual)
Steering angle: 9.13373450062302 (pred)	0.0 (actual)
Steering angle: 9.485013690957715 (pred)	-33.38 (actual)
Steering angle: 10.759458688190394 (pred)	-33.38 (actual)
Steering angle: 12.772512658305436 (pred)	-31.66 (actual)
Steering angle: 13.437403399475851 (pred)	-27.830000000000002 (actual)
Steering angle: 13.797660019700881 (pred)	-22.59 (actual)
Steering angle: 15.800903276846846 (pred)	-19.060000000000002 (actual)
Steering angle: 15.328494950450207 (pred)	-12.910000000000002 (actual)
Steering angle: 14.135977218538184 (pred)	-8.37 (actual)

Steering angle: 12.410126726606654 (pred)	-3.63 (actual)
Steering angle: 12.532489565587433 (pred)	0.0 (actual)
Steering angle: 16.561248472989128 (pred)	2.82 (actual)
Steering angle: 16.967064162525435 (pred)	5.949999999999999 (actual)
Steering angle: 15.668351503171701 (pred)	10.79 (actual)
Steering angle: 11.83809069965527 (pred)	16.44 (actual)
Steering angle: 10.775662458222603 (pred)	22.49 (actual)
Steering angle: 10.134904482937136 (pred)	28.13 (actual)
Steering angle: 9.114107098269342 (pred)	31.159999999999993 (actual)
Steering angle: 8.341547816343786 (pred)	37.109999999999999 (actual)
Steering angle: 7.978532653467716 (pred)	42.76 (actual)
Steering angle: 8.861121160280302 (pred)	48.0 (actual)
Steering angle: 9.503171748866194 (pred)	50.92 (actual)
Steering angle: 8.49469004904558 (pred)	55.360000000000001 (actual)
Steering angle: 6.338522271477614 (pred)	59.5 (actual)
Steering angle: 4.5115499751104 (pred)	62.22 (actual)
Steering angle: 2.6843539900478675 (pred)	64.54 (actual)
Steering angle: 2.4991775298084784 (pred)	67.759999999999999 (actual)
Steering angle: 2.063248176551819 (pred)	69.780000000000002 (actual)
Steering angle: 1.8551801238657208 (pred)	71.6 (actual)
Steering angle: 1.9261214567932352 (pred)	72.71 (actual)
Steering angle: 1.645604306920342 (pred)	73.31 (actual)
Steering angle: 1.2400816751881103 (pred)	73.409999999999998 (actual)
Steering angle: 0.8706262842549541 (pred)	0.0 (actual)
Steering angle: 0.7525703064326918 (pred)	73.01 (actual)
Steering angle: 0.6971834486794122 (pred)	71.0 (actual)
Steering angle: 0.7701373395345531 (pred)	70.790000000000002 (actual)
Steering angle: 0.6629119073018154 (pred)	69.48 (actual)
Steering angle: 0.6974718107284337 (pred)	68.17 (actual)
Steering angle: 0.9203788762732079 (pred)	66.55 (actual)
Steering angle: 1.2892276610307025 (pred)	65.45 (actual)
Steering angle: 1.3644905827121308 (pred)	62.620000000000005 (actual)
Steering angle: 1.1054915169325397 (pred)	59.389999999999999 (actual)
Steering angle: 1.2834561511820417 (pred)	54.35 (actual)
Steering angle: 1.1829072288629914 (pred)	51.43 (actual)
Steering angle: 1.0405005594325758 (pred)	49.41 (actual)
Steering angle: 1.7809227340961653 (pred)	46.59 (actual)
Steering angle: 1.4030388897272132 (pred)	44.47 (actual)
Steering angle: 1.5634317951197996 (pred)	42.25 (actual)
Steering angle: 1.656356091891 (pred)	39.53 (actual)
Steering angle: 1.4573941754724096 (pred)	37.61 (actual)
Steering angle: 1.295809828956479 (pred)	35.700000000000001 (actual)
Steering angle: 1.2474473938777344 (pred)	34.49 (actual)
Steering angle: 0.9304890503487078 (pred)	33.58 (actual)
Steering angle: 0.6692076341692746 (pred)	32.87 (actual)
Steering angle: 0.5979740972113307 (pred)	32.57 (actual)
Steering angle: 0.35491690639796103 (pred)	32.37 (actual)
Steering angle: 0.2730760856589873 (pred)	31.87 (actual)

Steering angle: 0.27826660254137386 (pred)	31.359999999999996 (actual)
Steering angle: 0.2826076146457401 (pred)	30.76 (actual)
Steering angle: 0.26845460891182743 (pred)	29.849999999999998 (actual)
Steering angle: 0.2844127055773275 (pred)	29.14 (actual)
Steering angle: 0.29398500225568885 (pred)	28.24 (actual)
Steering angle: 0.28831658557481293 (pred)	26.920000000000005 (actual)
Steering angle: 0.2163272454965248 (pred)	25.210000000000004 (actual)
Steering angle: 0.12376345464745417 (pred)	24.0 (actual)
Steering angle: 0.014518420854508354 (pred)	21.68 (actual)
Steering angle: -0.1784019797997943 (pred)	19.87 (actual)
Steering angle: -0.10165455919094603 (pred)	18.66 (actual)
Steering angle: -0.09336228265172741 (pred)	18.05 (actual)
Steering angle: 0.015891288877680917 (pred)	17.34 (actual)
Steering angle: 0.08785373508611213 (pred)	16.939999999999998 (actual)
Steering angle: 0.1785193736761539 (pred)	16.54 (actual)
Steering angle: 0.29302023803542454 (pred)	16.24 (actual)
Steering angle: 0.2969708621400422 (pred)	15.53 (actual)
Steering angle: 0.3911651472100418 (pred)	14.82 (actual)
Steering angle: 0.7486361174707644 (pred)	13.82 (actual)
Steering angle: 0.840317106369611 (pred)	0.0 (actual)
Steering angle: 1.0651539137983255 (pred)	11.8 (actual)
Steering angle: 1.0437848132062941 (pred)	10.49 (actual)
Steering angle: 0.9106582364238104 (pred)	8.67 (actual)
Steering angle: 0.8262067893180108 (pred)	7.659999999999998 (actual)
Steering angle: 0.5931886959240905 (pred)	6.150000000000001 (actual)
Steering angle: 0.32486257994602397 (pred)	0.0 (actual)
Steering angle: 0.007534552428170316 (pred)	4.64 (actual)
Steering angle: -0.0027973893519433472 (pred)	4.54 (actual)
Steering angle: -0.03701066067818347 (pred)	4.54 (actual)
Steering angle: -0.15898033689486304 (pred)	4.54 (actual)
Steering angle: 0.10355591310114833 (pred)	4.64 (actual)
Steering angle: 0.10621947343404173 (pred)	4.64 (actual)
Steering angle: 0.09522927217266809 (pred)	4.64 (actual)
Steering angle: 0.13642918668959658 (pred)	4.74 (actual)
Steering angle: 0.2662977632379843 (pred)	5.04 (actual)
Steering angle: 0.2104441047436166 (pred)	5.65 (actual)
Steering angle: 0.1713764899082015 (pred)	6.55 (actual)
Steering angle: 0.0006100212702467639 (pred)	7.26 (actual)
Steering angle: -0.18470965949830107 (pred)	7.969999999999999 (actual)
Steering angle: -0.4962286111270589 (pred)	8.97 (actual)
Steering angle: -4.026216369483158 (pred)	0.0 (actual)
Steering angle: -3.5001517845141907 (pred)	12.300000000000002 (actual)
Steering angle: -2.0573229874468333 (pred)	14.02 (actual)
Steering angle: -1.871669054295778 (pred)	15.33 (actual)
Steering angle: -1.8223742983953264 (pred)	16.24 (actual)
Steering angle: -1.554635151799058 (pred)	16.44 (actual)
Steering angle: -1.3351448883865826 (pred)	16.64 (actual)
Steering angle: -1.3351730629169087 (pred)	17.140000000000004 (actual)

Steering angle: -1.575172249972817 (pred)	17.55 (actual)
Steering angle: -1.7117299295961743 (pred)	17.850000000000005 (actual)
Steering angle: -1.6638528648353237 (pred)	18.149999999999995 (actual)
Steering angle: -1.441805976239148 (pred)	18.25 (actual)
Steering angle: -1.142835362776173 (pred)	18.25 (actual)
Steering angle: -1.020362386995028 (pred)	18.25 (actual)
Steering angle: -1.3085711836470018 (pred)	18.35 (actual)
Steering angle: -2.107659774082535 (pred)	18.55 (actual)
Steering angle: -2.1566377799602265 (pred)	18.760000000000005 (actual)
Steering angle: -2.0883636359036024 (pred)	19.16 (actual)
Steering angle: -2.1769605809487764 (pred)	19.66 (actual)
Steering angle: -2.0054007431500427 (pred)	20.07 (actual)
Steering angle: -1.9690739551625067 (pred)	0.0 (actual)
Steering angle: -1.721871906739997 (pred)	20.77 (actual)
Steering angle: -1.548516582963196 (pred)	21.18 (actual)
Steering angle: -1.515318448502349 (pred)	21.58 (actual)
Steering angle: -1.6269203244457722 (pred)	21.58 (actual)
Steering angle: -1.825671145330327 (pred)	21.38 (actual)
Steering angle: -1.9235494636839023 (pred)	21.28 (actual)
Steering angle: -2.598117302247756 (pred)	21.079999999999995 (actual)
Steering angle: -2.5011576443375474 (pred)	20.869999999999997 (actual)
Steering angle: -2.5969480592392142 (pred)	20.869999999999997 (actual)
Steering angle: -2.0456399488715262 (pred)	21.18 (actual)
Steering angle: -1.8579173221756036 (pred)	21.68 (actual)
Steering angle: -1.7263371429098928 (pred)	21.88 (actual)
Steering angle: -1.5643088340979117 (pred)	21.98 (actual)
Steering angle: -1.3692591219698576 (pred)	21.98 (actual)
Steering angle: -1.41509609460299 (pred)	21.98 (actual)
Steering angle: -1.3041853484262071 (pred)	21.98 (actual)
Steering angle: -1.156196066566364 (pred)	21.98 (actual)
Steering angle: -1.0081517163063376 (pred)	22.39 (actual)
Steering angle: -0.6173334146400856 (pred)	22.99 (actual)
Steering angle: -0.5547415610860887 (pred)	23.189999999999998 (actual)
Steering angle: -0.5046562107892084 (pred)	23.189999999999998 (actual)
Steering angle: -0.4614138562670345 (pred)	23.189999999999998 (actual)
Steering angle: -0.42250653743370314 (pred)	23.5 (actual)
Steering angle: -0.43836965178105775 (pred)	23.7 (actual)
Steering angle: -0.5031160031313705 (pred)	23.799999999999997 (actual)
Steering angle: -0.6401650294881457 (pred)	23.799999999999997 (actual)
Steering angle: -0.7197170965249304 (pred)	23.799999999999997 (actual)
Steering angle: -0.774984852854558 (pred)	23.799999999999997 (actual)
Steering angle: -1.1054917303759513 (pred)	23.799999999999997 (actual)
Steering angle: -1.3344768105083906 (pred)	23.9 (actual)
Steering angle: -1.5587541827553988 (pred)	24.3 (actual)
Steering angle: -2.153832706645467 (pred)	25.11 (actual)
Steering angle: -2.2775829278014044 (pred)	26.920000000000005 (actual)
Steering angle: -2.5901754997903237 (pred)	26.62 (actual)
Steering angle: -3.3973429233535124 (pred)	27.33 (actual)



Steering angle: -3.6822377975975606 (pred)	27.530000000000005 (actual)
Steering angle: -3.9521173547249817 (pred)	27.43 (actual)
Steering angle: -3.6076529856346675 (pred)	27.03 (actual)
Steering angle: -3.298024715745534 (pred)	26.32 (actual)
Steering angle: -3.1839908655707627 (pred)	25.92 (actual)
Steering angle: -2.912758504100856 (pred)	25.820000000000004 (actual)
Steering angle: -2.8401608502996134 (pred)	26.42 (actual)
Steering angle: -2.9069912631204264 (pred)	27.33 (actual)
Steering angle: -2.8733466050425895 (pred)	28.34 (actual)
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Steering angle: -2.6423504610864046 (pred)	30.449999999999992 (actual)
Steering angle: -2.4607254857720107 (pred)	31.560000000000006 (actual)
Steering angle: -2.42080900648881 (pred)	32.069999999999999 (actual)
Steering angle: -2.6757756993371546 (pred)	32.27 (actual)
Steering angle: -3.4612478807754443 (pred)	32.27 (actual)
Steering angle: -3.4653989282435194 (pred)	32.57 (actual)
Steering angle: -3.766023728146107 (pred)	33.48 (actual)
Steering angle: -4.619037515852537 (pred)	35.700000000000001 (actual)
Steering angle: -4.482435439999574 (pred)	38.32 (actual)
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Steering angle: -5.335749756029485 (pred)	51.93 (actual)
Steering angle: -5.231583394771267 (pred)	55.660000000000004 (actual)
Steering angle: -4.898576668013649 (pred)	58.180000000000014 (actual)
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Steering angle: -4.1764737010342685 (pred)	59.19 (actual)
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Steering angle: -3.1501985046521246 (pred)	54.15 (actual)
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Steering angle: -1.5881743688315824 (pred)	46.89 (actual)
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Steering angle: -1.2686111619078422 (pred)	3.7300000000000004 (actual)
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Steering angle: -1.3964005861841957 (pred)	-0.5 (actual)
Steering angle: -1.6711987332876723 (pred)	-1.51 (actual)
Steering angle: -1.6851114017401652 (pred)	-1.92 (actual)

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Steering angle: -1.664719018199446 (pred)	-3.4300000000000006 (actual)
Steering angle: -1.8009928180854247 (pred)	-4.24 (actual)
Steering angle: -2.021399180620328 (pred)	-5.45 (actual)
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Steering angle: -2.5149584684423814 (pred)	-2.03 (actual)
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Steering angle: -2.435485802354698 (pred)	4.64 (actual)
Steering angle: -2.503864533682988 (pred)	8.97 (actual)
Steering angle: -2.0625194807447436 (pred)	12.0 (actual)
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Steering angle: -2.18828674213995 (pred)	13.01 (actual)
Steering angle: -1.9683089739754651 (pred)	13.01 (actual)
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Steering angle: 10.803353752665126 (pred)	8.27 (actual)

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Steering angle: 11.075025380676031 (pred)	8.27 (actual)
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Steering angle: 10.91520834560784 (pred)	8.27 (actual)
Steering angle: 10.904977576004809 (pred)	8.27 (actual)
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Steering angle: 10.8061387622992 (pred)	8.27 (actual)
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Steering angle: 10.9159238079234 (pred)	8.27 (actual)
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Steering angle: 10.81108125793735 (pred)	8.27 (actual)
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Steering angle: 10.963107608483494 (pred)	8.27 (actual)
Steering angle: 10.964833085022569 (pred)	8.27 (actual)
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Steering angle: -4.98156432020295 (pred)	7.760000000000002 (actual)
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Steering angle: -4.2560787020371205 (pred)	12.4 (actual)
Steering angle: -4.568111625400922 (pred)	12.61 (actual)
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Steering angle: -1.6798824650436974 (pred)	11.6 (actual)
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Steering angle: -1.535645945245953 (pred)	12.4 (actual)
Steering angle: -1.2043715252165796 (pred)	13.01 (actual)
Steering angle: -1.0708413269428303 (pred)	14.920000000000002 (actual)
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Steering angle: -0.7428718646980969 (pred)	14.52 (actual)
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Steering angle: -0.4288116558112712 (pred)	9.380000000000003 (actual)
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Steering angle: -0.689656153327235 (pred)	11.699999999999998 (actual)
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Steering angle: -0.14276973667348403 (pred)	12.0 (actual)
Steering angle: -0.2240857000634246 (pred)	12.0 (actual)
Steering angle: -0.261004580074636 (pred)	11.899999999999999 (actual)
Steering angle: -0.24553590915184964 (pred)	11.699999999999998 (actual)
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Steering angle: -0.42434898096231405 (pred)	10.389999999999999 (actual)
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Steering angle: -1.2049772776185952 (pred)	8.37 (actual)
Steering angle: -0.9304856352541228 (pred)	7.559999999999999 (actual)
Steering angle: -1.4766617122341923 (pred)	6.96 (actual)
Steering angle: -1.593918557923563 (pred)	6.860000000000001 (actual)
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Steering angle: -1.3653539613119026 (pred)	6.35 (actual)
Steering angle: -1.2657830367046337 (pred)	5.340000000000001 (actual)
Steering angle: -1.641060096688168 (pred)	3.7300000000000004 (actual)
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Steering angle: -1.4730613487679494 (pred)	-2.7200000000000006 (actual)
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Steering angle: -5.072110430482517 (pred)	-7.26 (actual)
Steering angle: -3.139458885955926 (pred)	-10.389999999999999 (actual)
Steering angle: -3.6974067939705124 (pred)	-12.300000000000002 (actual)
Steering angle: -7.752512302321885 (pred)	-14.420000000000002 (actual)
Steering angle: -7.662379418487105 (pred)	-16.74 (actual)
Steering angle: -5.45105017940847 (pred)	-18.66 (actual)
Steering angle: -8.217137628159294 (pred)	-21.28 (actual)
Steering angle: -8.92990116522233 (pred)	-24.200000000000003 (actual)
Steering angle: -10.498592419446451 (pred)	-26.920000000000005 (actual)
Steering angle: -9.283938898208064 (pred)	-29.849999999999998 (actual)
Steering angle: -10.36839023084579 (pred)	-33.38 (actual)
Steering angle: -13.827249252959023 (pred)	-36.0 (actual)
Steering angle: -13.305304979606865 (pred)	-39.63 (actual)
Steering angle: -13.366030483970157 (pred)	-43.56 (actual)
Steering angle: -17.09277379419952 (pred)	-46.79 (actual)
Steering angle: -17.12796634389801 (pred)	-51.53 (actual)

Steering angle: -16.968768294723354 (pred)	-54.35 (actual)
Steering angle: -17.92681160884436 (pred)	-57.879999999999995 (actual)
Steering angle: -16.61139572187536 (pred)	-61.41 (actual)
Steering angle: -17.263132372477976 (pred)	-64.33999999999999 (actual)
Steering angle: -19.212044889871077 (pred)	-68.26999999999998 (actual)
Steering angle: -18.234450159250905 (pred)	-71.29 (actual)
Steering angle: -16.516384375425897 (pred)	-74.82 (actual)
Steering angle: -13.973546782338818 (pred)	-77.75 (actual)
Steering angle: -13.705653102712578 (pred)	-79.36 (actual)
Steering angle: -13.907384447396197 (pred)	-82.18 (actual)
Steering angle: -13.66461049598997 (pred)	-85.21 (actual)
Steering angle: -12.371353450235784 (pred)	-87.53 (actual)
Steering angle: -14.245326839602795 (pred)	-90.24999999999999 (actual)
Steering angle: -13.284054553551663 (pred)	-92.77 (actual)
Steering angle: -8.472211896487067 (pred)	-94.88999999999999 (actual)
Steering angle: 5.564356187549811 (pred)	-98.02000000000001 (actual)
Steering angle: -1.249858877541572 (pred)	-99.73 (actual)
Steering angle: -1.0129285798571153 (pred)	-103.26 (actual)
Steering angle: 0.09998841992028604 (pred)	-104.97 (actual)
Steering angle: -0.35923209184952815 (pred)	-107.8 (actual)
Steering angle: -4.735800453487551 (pred)	-111.43 (actual)
Steering angle: -8.540068118343852 (pred)	-114.66 (actual)
Steering angle: -9.904772357910957 (pred)	-118.28999999999999 (actual)
Steering angle: -7.509855317905196 (pred)	-123.03 (actual)
Steering angle: -5.079176261178895 (pred)	-126.24999999999999 (actual)
Steering angle: 8.25127918249925 (pred)	-128.77 (actual)
Steering angle: 10.945434494006086 (pred)	-130.79 (actual)
Steering angle: 14.424625281731153 (pred)	-132.0 (actual)
Steering angle: 16.09798918498572 (pred)	-133.41 (actual)
Steering angle: 14.464826067638556 (pred)	-134.62 (actual)
Steering angle: 13.1248121081474 (pred)	-136.34 (actual)
Steering angle: 10.143673592057786 (pred)	-138.05 (actual)
Steering angle: 11.05718407279031 (pred)	-140.07 (actual)
Steering angle: 11.13485356893711 (pred)	-142.18 (actual)
Steering angle: 10.43803766981241 (pred)	-143.09 (actual)
Steering angle: 11.392499403487394 (pred)	-144.1 (actual)
Steering angle: 12.354635708468532 (pred)	-144.3 (actual)
Steering angle: 10.021963036142743 (pred)	-144.3 (actual)
Steering angle: 2.2734927117056247 (pred)	-144.3 (actual)
Steering angle: 3.9797996845442203 (pred)	-144.61 (actual)
Steering angle: 1.5330617858621611 (pred)	-145.21 (actual)
Steering angle: 2.1493653360414555 (pred)	-145.61 (actual)
Steering angle: 1.7886066969124297 (pred)	-146.22 (actual)
Steering angle: 11.761069217705975 (pred)	-147.62999999999997 (actual)
Steering angle: 2.9539022830005432 (pred)	-149.45 (actual)
Steering angle: 10.200262563104987 (pred)	-150.95999999999998 (actual)
Steering angle: 10.502798962201533 (pred)	-152.97 (actual)
Steering angle: 10.124925576559747 (pred)	-154.39 (actual)

Steering angle: 6.427563178818839 (pred)	-155.8 (actual)
Steering angle: 6.185275878390977 (pred)	-156.71 (actual)
Steering angle: 4.662736212388632 (pred)	-157.50999999999996 (actual)
Steering angle: 4.923479537727515 (pred)	-157.91999999999996 (actual)
Steering angle: 4.713878107572749 (pred)	-158.12 (actual)
Steering angle: 7.771344841410903 (pred)	-158.12 (actual)
Steering angle: 9.172499239257428 (pred)	-158.12 (actual)
Steering angle: 9.067806953433118 (pred)	-158.31999999999996 (actual)
Steering angle: 7.3249057480122985 (pred)	-158.82 (actual)
Steering angle: 6.936067774318527 (pred)	-159.53 (actual)
Steering angle: 3.8518510314828407 (pred)	-159.93 (actual)
Steering angle: 3.903394627167519 (pred)	-159.93 (actual)
Steering angle: 2.6275921298372995 (pred)	-159.93 (actual)
Steering angle: 0.24891279736618624 (pred)	-159.93 (actual)
Steering angle: 1.8884862606928186 (pred)	-159.93 (actual)
Steering angle: -5.228448337942231 (pred)	-159.93 (actual)
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Steering angle: -1.3912139112832171 (pred)	-159.63 (actual)
Steering angle: -5.756312677757496 (pred)	-158.62 (actual)
Steering angle: -8.330647688202092 (pred)	-156.71 (actual)
Steering angle: -10.967209990853734 (pred)	-155.5 (actual)
Steering angle: -11.22292544318984 (pred)	-154.29 (actual)
Steering angle: -13.142797703779337 (pred)	-153.48 (actual)
Steering angle: -16.619667080960248 (pred)	-152.57 (actual)
Steering angle: -13.523225580170708 (pred)	-151.97000000000003 (actual)
Steering angle: -14.20783934634318 (pred)	-150.86 (actual)
Steering angle: -14.598545803661773 (pred)	-149.55 (actual)
Steering angle: -16.36209723226448 (pred)	-147.43 (actual)
Steering angle: -15.247184963475789 (pred)	-145.11 (actual)
Steering angle: -14.698713942934596 (pred)	-142.49 (actual)
Steering angle: -17.702859951243397 (pred)	-140.97 (actual)
Steering angle: -14.06280710950713 (pred)	-139.06 (actual)
Steering angle: -13.83348863076583 (pred)	-136.83999999999997 (actual)
Steering angle: -13.067243858727949 (pred)	-135.03 (actual)
Steering angle: -18.06981527949692 (pred)	-132.1 (actual)
Steering angle: -20.471378093565104 (pred)	-128.57 (actual)
Steering angle: -15.703308411343826 (pred)	-126.35000000000001 (actual)
Steering angle: -12.191000597654305 (pred)	-122.32000000000001 (actual)
Steering angle: -13.339242482045366 (pred)	-117.98000000000002 (actual)
Steering angle: -11.777647794368889 (pred)	-113.45 (actual)
Steering angle: 11.243175246531635 (pred)	-108.0 (actual)
Steering angle: -1.4043688556246618 (pred)	-104.47 (actual)
Steering angle: -7.250869912503945 (pred)	-98.82 (actual)
Steering angle: -5.255900575763804 (pred)	-94.39 (actual)
Steering angle: -4.656402919480738 (pred)	-88.74 (actual)
Steering angle: -3.6540308238727004 (pred)	-86.62 (actual)
Steering angle: -11.667394880786542 (pred)	-83.8 (actual)
Steering angle: -8.382329168330639 (pred)	-82.08 (actual)

Steering angle: -3.264868843080176 (pred)	-79.87 (actual)
Steering angle: -2.7610826276364984 (pred)	0.0 (actual)
Steering angle: -2.3583746741725466 (pred)	-71.7 (actual)
Steering angle: -2.006838924857153 (pred)	-67.45999999999998 (actual)
Steering angle: -2.4869256645413564 (pred)	-64.64 (actual)
Steering angle: -2.088661602906144 (pred)	-61.70999999999999 (actual)
Steering angle: -2.2605001978003796 (pred)	-58.58999999999999 (actual)
Steering angle: -1.6997348367531626 (pred)	-54.96 (actual)
Steering angle: -7.838461695290033 (pred)	-51.83 (actual)
Steering angle: -0.8012166212488151 (pred)	-48.2 (actual)
Steering angle: -0.5452044825706354 (pred)	-46.69 (actual)
Steering angle: 0.06588507195100081 (pred)	-45.98 (actual)
Steering angle: 0.0004554882402752253 (pred)	-45.08 (actual)
Steering angle: -0.20338681178370094 (pred)	-44.27 (actual)
Steering angle: 0.27549952215387247 (pred)	-41.85 (actual)
Steering angle: 0.37777264035152774 (pred)	-40.44 (actual)
Steering angle: 0.6476940323876154 (pred)	-38.02 (actual)
Steering angle: 0.7092079967132197 (pred)	-36.0 (actual)
Steering angle: 0.7018527367507621 (pred)	-35.19 (actual)
Steering angle: -0.19012898771788306 (pred)	-35.090000000000001 (actual)
Steering angle: -0.8519764527262342 (pred)	-35.090000000000001 (actual)
Steering angle: -0.37058813511832056 (pred)	-34.39 (actual)
Steering angle: -0.2608005281731819 (pred)	-32.67 (actual)
Steering angle: -0.2488498315597752 (pred)	-31.460000000000004 (actual)
Steering angle: 0.8379636793137184 (pred)	-30.76 (actual)
Steering angle: 0.8054080095216758 (pred)	-30.76 (actual)
Steering angle: 0.2454802004214317 (pred)	-30.25 (actual)
Steering angle: 0.5787057066759016 (pred)	-28.939999999999998 (actual)
Steering angle: 0.4728450316166971 (pred)	-27.130000000000003 (actual)
Steering angle: 0.5244844633931669 (pred)	-25.41 (actual)
Steering angle: 0.9208966899896595 (pred)	-25.51 (actual)
Steering angle: 1.0523223362253986 (pred)	-25.71 (actual)
Steering angle: 1.1184550025338125 (pred)	-25.71 (actual)
Steering angle: 1.6635258695288093 (pred)	-25.11 (actual)
Steering angle: 1.8248169447972522 (pred)	-22.69 (actual)
Steering angle: 1.5285720036999355 (pred)	-19.26 (actual)
Steering angle: 1.9250294802996795 (pred)	-16.54 (actual)
Steering angle: 2.206834547717943 (pred)	-13.119999999999997 (actual)
Steering angle: 2.3358438010913787 (pred)	-12.5 (actual)
Steering angle: 1.9790562766344801 (pred)	-11.8 (actual)
Steering angle: 0.9813229466899391 (pred)	-11.19 (actual)
Steering angle: -0.1534128789476564 (pred)	-10.08 (actual)
Steering angle: -0.8112463271581557 (pred)	-7.760000000000002 (actual)
Steering angle: -4.976769527405601 (pred)	-5.139999999999999 (actual)
Steering angle: 2.299409864511238 (pred)	-5.139999999999999 (actual)
Steering angle: 1.7400312453089453 (pred)	-5.139999999999999 (actual)
Steering angle: 1.9682323477907142 (pred)	-5.139999999999999 (actual)
Steering angle: 2.515663258587362 (pred)	-5.04 (actual)



Steering angle: 2.74318689168083 (pred)	-5.139999999999999 (actual)
Steering angle: 1.3309498715757253 (pred)	-4.94 (actual)
Steering angle: -4.334739429387219 (pred)	-4.54 (actual)
Steering angle: 2.7296526583970384 (pred)	-4.03 (actual)
Steering angle: 2.5384423663561777 (pred)	-3.9300000000000006 (actual)
Steering angle: 3.2275228628024277 (pred)	-3.9300000000000006 (actual)
Steering angle: 3.018904979888143 (pred)	-3.7300000000000004 (actual)
Steering angle: 4.8508225466578585 (pred)	-3.3299999999999996 (actual)
Steering angle: 6.873726503329705 (pred)	-2.82 (actual)
Steering angle: 7.680781655658412 (pred)	-2.82 (actual)
Steering angle: 7.386619068484302 (pred)	-2.82 (actual)
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Steering angle: 6.511580908912343 (pred)	-2.82 (actual)
Steering angle: 6.239758162966053 (pred)	-2.82 (actual)
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Steering angle: 5.085805813542038 (pred)	-2.82 (actual)
Steering angle: 5.05652692700431 (pred)	-2.82 (actual)
Steering angle: 4.481688814945928 (pred)	-2.82 (actual)
Steering angle: 4.308497415709207 (pred)	-2.82 (actual)
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Steering angle: 4.8437951357755615 (pred)	-2.82 (actual)
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Steering angle: 6.720023768229146 (pred)	-2.82 (actual)
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Steering angle: 6.423659298821354 (pred)	-2.02 (actual)
Steering angle: 7.124320594448772 (pred)	-0.3 (actual)
Steering angle: 6.93829697730889 (pred)	1.41 (actual)
Steering angle: 8.079343684296166 (pred)	3.13 (actual)
Steering angle: 7.473092678471248 (pred)	4.13 (actual)
Steering angle: 7.135899899526059 (pred)	4.74 (actual)
Steering angle: 6.495884280426008 (pred)	5.45 (actual)
Steering angle: 6.819383810745791 (pred)	5.849999999999999 (actual)
Steering angle: 6.4845837324442215 (pred)	5.849999999999999 (actual)
Steering angle: 6.4456922084233454 (pred)	5.849999999999999 (actual)
Steering angle: 6.034241612821778 (pred)	5.949999999999999 (actual)
Steering angle: 5.1542263797789944 (pred)	0.0 (actual)
Steering angle: 4.4131350600201555 (pred)	6.45 (actual)
Steering angle: 3.8590790791720067 (pred)	6.860000000000001 (actual)
Steering angle: 3.4011667620716617 (pred)	6.860000000000001 (actual)
Steering angle: 3.2457408983095557 (pred)	6.860000000000001 (actual)
Steering angle: 2.8084627961352306 (pred)	6.860000000000001 (actual)
Steering angle: 2.7193281871363295 (pred)	6.96 (actual)
Steering angle: 2.5271072405417185 (pred)	7.36 (actual)
Steering angle: 2.2622100929704096 (pred)	7.87 (actual)
Steering angle: 2.164741799410447 (pred)	8.570000000000002 (actual)
Steering angle: 1.9229667631703355 (pred)	9.08 (actual)

Steering angle: 1.865479622247277 (pred)	9.48 (actual)
Steering angle: 1.7798809168043268 (pred)	9.48 (actual)
Steering angle: 1.8730385072243654 (pred)	9.48 (actual)
Steering angle: 1.8415265757148653 (pred)	9.58 (actual)
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Steering angle: 2.031051732021437 (pred)	8.570000000000002 (actual)
Steering angle: 2.0060669000375304 (pred)	7.760000000000002 (actual)
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Steering angle: 1.8018732721581217 (pred)	7.36 (actual)
Steering angle: 1.728434864758733 (pred)	7.36 (actual)
Steering angle: 1.7536009101990566 (pred)	7.36 (actual)
Steering angle: 1.8532960588718552 (pred)	7.36 (actual)
Steering angle: 1.9626958391381841 (pred)	7.26 (actual)
Steering angle: 2.0722375592732023 (pred)	7.26 (actual)
Steering angle: 2.036275332632616 (pred)	7.26 (actual)
Steering angle: 2.618339357946048 (pred)	7.26 (actual)
Steering angle: 2.664471522817372 (pred)	7.26 (actual)
Steering angle: 2.753867386552026 (pred)	7.26 (actual)
Steering angle: 2.914704467684075 (pred)	7.26 (actual)
Steering angle: 1.991376657236714 (pred)	7.16 (actual)
Steering angle: 1.9792227624954992 (pred)	7.460000000000001 (actual)
Steering angle: 2.063888079899685 (pred)	8.570000000000002 (actual)
Steering angle: 1.832879129338806 (pred)	0.0 (actual)
Steering angle: 1.8316183191067041 (pred)	12.0 (actual)
Steering angle: 1.842923349400133 (pred)	12.61 (actual)
Steering angle: 2.1192802737382537 (pred)	12.81 (actual)
Steering angle: 1.9997886755298193 (pred)	13.01 (actual)
Steering angle: 1.7920807018790275 (pred)	13.11 (actual)
Steering angle: 2.2493529021880954 (pred)	13.11 (actual)
Steering angle: 4.019809652041686 (pred)	13.11 (actual)
Steering angle: 4.910726293886632 (pred)	13.21 (actual)
Steering angle: 3.821493401943073 (pred)	13.31 (actual)
Steering angle: 3.560799808919084 (pred)	13.31 (actual)
Steering angle: 2.0611999735744617 (pred)	13.31 (actual)
Steering angle: 1.776265398855863 (pred)	13.31 (actual)
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Steering angle: 9.59584546307222 (pred)	13.31 (actual)
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Steering angle: 10.437442589580973 (pred)	13.31 (actual)
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Steering angle: 8.189540248817858 (pred)	12.2 (actual)
Steering angle: 8.193807409501824 (pred)	10.18 (actual)
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Steering angle: 9.980058971811069 (pred)	7.16 (actual)
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Steering angle: 10.799174530666726 (pred)	6.76 (actual)
Steering angle: 11.616721707334218 (pred)	6.150000000000001 (actual)
Steering angle: 13.791621278700942 (pred)	6.050000000000001 (actual)
Steering angle: 10.85315266190369 (pred)	6.050000000000001 (actual)
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Steering angle: 8.175002191169487 (pred)	5.65 (actual)
Steering angle: 7.526139342660152 (pred)	4.94 (actual)
Steering angle: 6.101873292209597 (pred)	4.84 (actual)
Steering angle: 4.943429666519476 (pred)	4.74 (actual)
Steering angle: 4.736047620958141 (pred)	4.74 (actual)
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Steering angle: 4.823050570605763 (pred)	4.74 (actual)
Steering angle: 4.489491452299021 (pred)	4.44 (actual)
Steering angle: 4.101450049417202 (pred)	3.9300000000000006 (actual)
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Steering angle: 3.9812143874760593 (pred)	3.4300000000000006 (actual)
Steering angle: 4.484107982572581 (pred)	2.92 (actual)
Steering angle: 5.409258813198101 (pred)	1.92 (actual)
Steering angle: 5.51769575023487 (pred)	1.21 (actual)
Steering angle: 5.602097678469186 (pred)	0.91 (actual)
Steering angle: 6.090369119213181 (pred)	0.3 (actual)
Steering angle: 6.306986434306019 (pred)	-0.4 (actual)
Steering angle: 6.212390875622281 (pred)	-0.91 (actual)
Steering angle: 5.603984091340579 (pred)	-1.41 (actual)
Steering angle: 5.406500697433885 (pred)	-1.92 (actual)
Steering angle: 5.4067832965107945 (pred)	-1.92 (actual)
Steering angle: 5.625224698998849 (pred)	-1.92 (actual)
Steering angle: 5.101927621304207 (pred)	-1.92 (actual)
Steering angle: 5.371907923721886 (pred)	-1.92 (actual)
Steering angle: 5.786381304918008 (pred)	-1.92 (actual)
Steering angle: 5.460781491428445 (pred)	-1.82 (actual)
Steering angle: 5.775262610722874 (pred)	-1.71 (actual)
Steering angle: 5.727526845500478 (pred)	-1.41 (actual)
Steering angle: 5.773529023334159 (pred)	-0.91 (actual)
Steering angle: 4.672739878201762 (pred)	-0.3 (actual)
Steering angle: 4.52327314104708 (pred)	0.2 (actual)
Steering angle: 4.4042391655130375 (pred)	0.4 (actual)
Steering angle: 3.693649336153359 (pred)	0.4 (actual)
Steering angle: 3.4966222842605865 (pred)	0.5 (actual)
Steering angle: 3.3304350305743022 (pred)	0.91 (actual)
Steering angle: 3.0494538547246712 (pred)	1.6100000000000003 (actual)
Steering angle: 2.7841944936839407 (pred)	2.02 (actual)
Steering angle: 2.535083620831824 (pred)	2.12 (actual)
Steering angle: 2.402491719795305 (pred)	2.42 (actual)
Steering angle: 2.330382851406542 (pred)	3.03 (actual)
Steering angle: 2.291787373397504 (pred)	3.7300000000000004 (actual)

Steering angle: 2.2463945765038336 (pred)	4.03 (actual)
Steering angle: 2.214972718114013 (pred)	4.13 (actual)
Steering angle: 2.4696700453769656 (pred)	4.13 (actual)
Steering angle: 2.5596695270795196 (pred)	4.13 (actual)
Steering angle: 2.7206984938385634 (pred)	4.34 (actual)
Steering angle: 2.727515022630236 (pred)	4.64 (actual)
Steering angle: 3.0339247793164126 (pred)	4.84 (actual)
Steering angle: 3.1202634930672515 (pred)	4.84 (actual)
Steering angle: 3.146106794452464 (pred)	4.84 (actual)
Steering angle: 3.4432411542457633 (pred)	0.0 (actual)
Steering angle: 3.102124645065813 (pred)	4.84 (actual)
Steering angle: 4.167538959826246 (pred)	4.84 (actual)
Steering angle: 6.798229861112615 (pred)	4.84 (actual)
Steering angle: 6.7370211208655455 (pred)	4.84 (actual)
Steering angle: 6.903578271984069 (pred)	4.84 (actual)
Steering angle: 7.84400866266973 (pred)	4.94 (actual)
Steering angle: 8.621240647761223 (pred)	5.139999999999999 (actual)
Steering angle: 6.735406634900484 (pred)	5.65 (actual)
Steering angle: 5.281550070531318 (pred)	5.949999999999999 (actual)
Steering angle: 5.201228326552437 (pred)	6.050000000000001 (actual)
Steering angle: 3.052456149751715 (pred)	6.050000000000001 (actual)
Steering angle: 1.9826685929317707 (pred)	6.050000000000001 (actual)
Steering angle: 2.3574722354284585 (pred)	6.050000000000001 (actual)
Steering angle: 1.9569478080647953 (pred)	6.050000000000001 (actual)
Steering angle: 2.0495459633031277 (pred)	6.050000000000001 (actual)
Steering angle: 2.2143353760870865 (pred)	6.050000000000001 (actual)
Steering angle: 2.4772639350735504 (pred)	6.050000000000001 (actual)
Steering angle: 2.708264134454555 (pred)	6.050000000000001 (actual)
Steering angle: 2.158148105540446 (pred)	6.050000000000001 (actual)
Steering angle: 2.55559852089078 (pred)	6.050000000000001 (actual)
Steering angle: 2.2914763863468566 (pred)	6.050000000000001 (actual)
Steering angle: 2.4647390756830396 (pred)	6.050000000000001 (actual)
Steering angle: 3.5068496387690344 (pred)	6.050000000000001 (actual)
Steering angle: 2.703318437165231 (pred)	6.050000000000001 (actual)
Steering angle: 3.831671664466861 (pred)	6.150000000000001 (actual)
Steering angle: 2.8684352721425275 (pred)	6.150000000000001 (actual)
Steering angle: 4.1330866318790545 (pred)	6.35 (actual)
Steering angle: 2.7273942136592915 (pred)	6.76 (actual)
Steering angle: 0.8936179816616864 (pred)	7.460000000000001 (actual)
Steering angle: 2.1729982174565228 (pred)	8.07 (actual)
Steering angle: 2.7790925558173525 (pred)	8.570000000000002 (actual)
Steering angle: 2.376813196723819 (pred)	8.97 (actual)
Steering angle: 2.9504047992586737 (pred)	9.380000000000003 (actual)
Steering angle: 3.85976508629677 (pred)	9.979999999999999 (actual)
Steering angle: 2.8273401583406765 (pred)	10.389999999999999 (actual)
Steering angle: 10.387571963356125 (pred)	10.389999999999999 (actual)
Steering angle: 12.153885349704456 (pred)	10.389999999999999 (actual)
Steering angle: 12.803386820901187 (pred)	10.49 (actual)

Steering angle: 9.935280251612465 (pred)	10.29 (actual)
Steering angle: 10.450347378244066 (pred)	9.78 (actual)
Steering angle: 13.75217010605495 (pred)	9.18 (actual)
Steering angle: 13.770165093196994 (pred)	8.77 (actual)
Steering angle: 8.566452285333964 (pred)	8.27 (actual)
Steering angle: 13.272825722556162 (pred)	7.26 (actual)
Steering angle: 12.306125143662163 (pred)	6.860000000000001 (actual)
Steering angle: 11.239993232152056 (pred)	6.150000000000001 (actual)
Steering angle: 12.874535193937916 (pred)	6.050000000000001 (actual)
Steering angle: 3.4099593499675835 (pred)	5.949999999999999 (actual)
Steering angle: 3.4859808495337066 (pred)	5.949999999999999 (actual)
Steering angle: 4.864679719823345 (pred)	5.949999999999999 (actual)
Steering angle: 3.9337881152004295 (pred)	5.949999999999999 (actual)
Steering angle: 3.564046710095779 (pred)	5.949999999999999 (actual)
Steering angle: 3.2414707494178283 (pred)	5.949999999999999 (actual)
Steering angle: 3.2882669367425246 (pred)	5.949999999999999 (actual)
Steering angle: 3.770625994986226 (pred)	5.949999999999999 (actual)
Steering angle: 3.3160378455775614 (pred)	5.75 (actual)
Steering angle: 6.745070925689229 (pred)	5.139999999999999 (actual)
Steering angle: 9.178315145335693 (pred)	4.94 (actual)
Steering angle: 10.942456531527961 (pred)	4.54 (actual)
Steering angle: 10.52236489285268 (pred)	4.13 (actual)
Steering angle: 10.073472053994749 (pred)	4.03 (actual)
Steering angle: 9.170936833484786 (pred)	3.7300000000000004 (actual)
Steering angle: 5.511256162508017 (pred)	3.3299999999999996 (actual)
Steering angle: 10.076172540037842 (pred)	2.62 (actual)
Steering angle: 8.449942064698241 (pred)	2.12 (actual)
Steering angle: 9.932270699509429 (pred)	1.71 (actual)
Steering angle: 9.71482565086655 (pred)	1.71 (actual)
Steering angle: 10.644937760150436 (pred)	1.71 (actual)
Steering angle: 9.36610522014967 (pred)	1.71 (actual)
Steering angle: 7.729165008191489 (pred)	1.82 (actual)
Steering angle: 3.652543123294107 (pred)	2.02 (actual)
Steering angle: 7.4624930786530355 (pred)	2.12 (actual)
Steering angle: 5.448717242920088 (pred)	2.12 (actual)
Steering angle: 4.622570431200726 (pred)	2.22 (actual)
Steering angle: 6.121753838449389 (pred)	2.42 (actual)
Steering angle: 8.901423545251607 (pred)	2.62 (actual)
Steering angle: 7.89094060000418 (pred)	2.82 (actual)
Steering angle: 8.797529537786543 (pred)	3.03 (actual)
Steering angle: 8.850965522758138 (pred)	3.23 (actual)
Steering angle: 4.855562697941847 (pred)	3.23 (actual)
Steering angle: 7.6975753832801805 (pred)	3.23 (actual)
Steering angle: 4.0954744876670865 (pred)	3.23 (actual)
Steering angle: 2.6035396186750996 (pred)	3.3299999999999996 (actual)
Steering angle: 1.8764015216169505 (pred)	3.53 (actual)
Steering angle: 2.619448409912529 (pred)	3.7300000000000004 (actual)
Steering angle: 2.111253734246431 (pred)	3.9300000000000006 (actual)

Steering angle: 2.0356806792880016 (pred)	4.03 (actual)
Steering angle: 1.9438901939190234 (pred)	4.13 (actual)
Steering angle: 1.8855748925591007 (pred)	4.13 (actual)
Steering angle: 1.7474437081057017 (pred)	4.13 (actual)
Steering angle: 1.8606604969010099 (pred)	4.13 (actual)
Steering angle: 2.09099496628135 (pred)	4.24 (actual)
Steering angle: 2.7468926961923854 (pred)	4.34 (actual)
Steering angle: 2.823075985864473 (pred)	4.34 (actual)
Steering angle: 2.829104054693832 (pred)	4.34 (actual)
Steering angle: 2.734526852143489 (pred)	4.34 (actual)
Steering angle: 2.7396593124179303 (pred)	4.34 (actual)
Steering angle: 8.352068015212897 (pred)	4.34 (actual)
Steering angle: 6.602256365899317 (pred)	4.44 (actual)
Steering angle: 8.805595991196329 (pred)	4.74 (actual)
Steering angle: 10.112364858676093 (pred)	5.139999999999999 (actual)
Steering angle: 10.022185017290768 (pred)	5.949999999999999 (actual)
Steering angle: 10.245264971998909 (pred)	6.45 (actual)
Steering angle: 10.964014316095813 (pred)	6.659999999999999 (actual)
Steering angle: 11.736892909365068 (pred)	6.659999999999999 (actual)
Steering angle: 14.215527578027675 (pred)	6.659999999999999 (actual)
Steering angle: 15.154632485127532 (pred)	6.659999999999999 (actual)
Steering angle: 16.83193228489132 (pred)	6.659999999999999 (actual)
Steering angle: 18.48849221524036 (pred)	6.659999999999999 (actual)
Steering angle: 15.886996103787563 (pred)	6.860000000000001 (actual)
Steering angle: 13.78785442937368 (pred)	7.36 (actual)
Steering angle: 12.778870710649072 (pred)	7.760000000000002 (actual)
Steering angle: 10.681164229734538 (pred)	8.07 (actual)
Steering angle: 5.528775170842277 (pred)	8.37 (actual)
Steering angle: 12.277673136900829 (pred)	8.67 (actual)
Steering angle: 17.495252936326278 (pred)	8.67 (actual)
Steering angle: 4.001276787502502 (pred)	8.67 (actual)
Steering angle: 4.179774389950677 (pred)	8.77 (actual)
Steering angle: 4.437612323571366 (pred)	8.87 (actual)
Steering angle: 5.209524445073064 (pred)	8.87 (actual)
Steering angle: 11.410986164249678 (pred)	8.87 (actual)
Steering angle: 13.492724516658368 (pred)	8.87 (actual)
Steering angle: 34.00411044328682 (pred)	8.87 (actual)
Steering angle: 38.408670627690846 (pred)	8.87 (actual)
Steering angle: 17.261998561075757 (pred)	8.87 (actual)
Steering angle: 26.671595010765483 (pred)	8.87 (actual)
Steering angle: 41.233128019314954 (pred)	8.87 (actual)
Steering angle: 35.74966090833196 (pred)	8.87 (actual)
Steering angle: 11.253616044451647 (pred)	8.87 (actual)
Steering angle: 10.070652893414826 (pred)	8.87 (actual)
Steering angle: 18.62334747021309 (pred)	8.87 (actual)
Steering angle: 7.598611918622219 (pred)	8.87 (actual)
Steering angle: 8.439041936556547 (pred)	8.87 (actual)
Steering angle: 5.090947665326588 (pred)	8.87 (actual)

Steering angle: 5.0657660385172205 (pred)	8.67 (actual)
Steering angle: 5.598093053181444 (pred)	8.37 (actual)
Steering angle: 5.330809821712273 (pred)	7.659999999999998 (actual)
Steering angle: 4.639461489018167 (pred)	7.06 (actual)
Steering angle: 4.477334142463221 (pred)	6.659999999999999 (actual)
Steering angle: 4.758047660274752 (pred)	6.45 (actual)
Steering angle: 5.060032094708995 (pred)	6.45 (actual)
Steering angle: 4.804873302790244 (pred)	6.45 (actual)
Steering angle: 4.158159829435348 (pred)	6.45 (actual)
Steering angle: 3.6071565162593724 (pred)	6.45 (actual)
Steering angle: 7.206809215941839 (pred)	6.45 (actual)
Steering angle: 3.54913491303376 (pred)	6.45 (actual)
Steering angle: 3.354795754022799 (pred)	6.45 (actual)
Steering angle: 3.387337123106267 (pred)	6.45 (actual)
Steering angle: 3.899210709414063 (pred)	6.45 (actual)
Steering angle: 3.615520082898053 (pred)	6.45 (actual)
Steering angle: 3.5974179471634034 (pred)	6.45 (actual)
Steering angle: 2.9621121703828988 (pred)	6.45 (actual)
Steering angle: 4.272993665516657 (pred)	6.35 (actual)
Steering angle: 3.453679177401424 (pred)	6.25 (actual)
Steering angle: 4.5827051783363 (pred)	6.25 (actual)
Steering angle: 6.573263493533082 (pred)	6.150000000000001 (actual)
Steering angle: 4.737369262562538 (pred)	6.150000000000001 (actual)
Steering angle: 3.3579747801946165 (pred)	6.150000000000001 (actual)
Steering angle: 5.688263929943482 (pred)	6.150000000000001 (actual)
Steering angle: 7.3013646472642035 (pred)	6.150000000000001 (actual)
Steering angle: 6.27078344349719 (pred)	6.150000000000001 (actual)
Steering angle: 4.724375681440235 (pred)	6.150000000000001 (actual)
Steering angle: 5.894635961281302 (pred)	6.150000000000001 (actual)
Steering angle: 3.699659048849324 (pred)	6.150000000000001 (actual)
Steering angle: 3.8220944585900343 (pred)	6.050000000000001 (actual)
Steering angle: 3.1959264077019487 (pred)	6.050000000000001 (actual)
Steering angle: 2.851736099952081 (pred)	6.050000000000001 (actual)
Steering angle: 2.836081733261235 (pred)	6.050000000000001 (actual)
Steering angle: 2.747817119607864 (pred)	6.150000000000001 (actual)
Steering angle: 2.1739237080890597 (pred)	6.55 (actual)
Steering angle: 2.224316843785414 (pred)	6.860000000000001 (actual)
Steering angle: 2.1269302990520793 (pred)	7.36 (actual)
Steering angle: 2.2156903148636875 (pred)	7.559999999999999 (actual)
Steering angle: 2.1067921266145313 (pred)	7.760000000000002 (actual)
Steering angle: 2.0770737600923943 (pred)	7.760000000000002 (actual)
Steering angle: 1.9808859135583974 (pred)	7.969999999999999 (actual)
Steering angle: 2.5103369916952216 (pred)	8.27 (actual)
Steering angle: 2.5179123118150004 (pred)	8.37 (actual)
Steering angle: 2.5078525103846294 (pred)	8.469999999999999 (actual)
Steering angle: 1.0111646835039596 (pred)	8.27 (actual)
Steering angle: 1.1642539822396867 (pred)	8.27 (actual)
Steering angle: 1.073522389635472 (pred)	8.27 (actual)

Steering angle: 1.126462972448829 (pred)	8.27 (actual)
Steering angle: 0.456103170743938 (pred)	8.37 (actual)
Steering angle: 1.7776258871611648 (pred)	8.37 (actual)
Steering angle: 1.5166326195873416 (pred)	8.37 (actual)
Steering angle: 1.0248790630271105 (pred)	8.37 (actual)
Steering angle: 0.9951361505126437 (pred)	8.37 (actual)
Steering angle: 0.8356960565092741 (pred)	8.469999999999999 (actual)
Steering angle: 1.380917401109423 (pred)	8.67 (actual)
Steering angle: 1.0204908799287888 (pred)	8.77 (actual)
Steering angle: 1.6307956030261082 (pred)	8.87 (actual)
Steering angle: 1.387847054909224 (pred)	8.87 (actual)
Steering angle: 0.587243229695006 (pred)	8.87 (actual)
Steering angle: 0.7030956177362929 (pred)	8.87 (actual)
Steering angle: 0.43381220805736675 (pred)	8.97 (actual)
Steering angle: 0.21332623112995044 (pred)	9.28 (actual)
Steering angle: 0.05888903725020369 (pred)	9.58 (actual)
Steering angle: 0.1271759879115218 (pred)	9.68 (actual)
Steering angle: -0.1335208067636405 (pred)	9.68 (actual)
Steering angle: 0.3831740393245385 (pred)	9.68 (actual)
Steering angle: 0.24401085597623273 (pred)	9.68 (actual)
Steering angle: 0.059064060847685264 (pred)	9.68 (actual)
Steering angle: 0.5329378897081155 (pred)	9.68 (actual)
Steering angle: 0.12704664120411469 (pred)	9.68 (actual)
Steering angle: 0.3751667097397563 (pred)	9.68 (actual)
Steering angle: 0.19458077695285045 (pred)	9.88 (actual)
Steering angle: 1.1119501011230215 (pred)	9.979999999999999 (actual)
Steering angle: 1.3989809035865794 (pred)	9.979999999999999 (actual)
Steering angle: 2.354696830747906 (pred)	10.0 (actual)
Steering angle: 2.1643023194260387 (pred)	9.979999999999999 (actual)
Steering angle: 1.9423952362644368 (pred)	9.979999999999999 (actual)
Steering angle: 1.6087552229047117 (pred)	9.979999999999999 (actual)
Steering angle: 0.8751679331661895 (pred)	9.979999999999999 (actual)
Steering angle: 0.5513074700374533 (pred)	9.979999999999999 (actual)
Steering angle: 0.6965480276431895 (pred)	9.979999999999999 (actual)
Steering angle: 0.722549063709547 (pred)	9.979999999999999 (actual)
Steering angle: 0.9078461194764692 (pred)	9.979999999999999 (actual)
Steering angle: 0.33343105225980496 (pred)	9.979999999999999 (actual)
Steering angle: 0.46760755718376673 (pred)	9.979999999999999 (actual)
Steering angle: 0.9077246701752899 (pred)	0.0 (actual)
Steering angle: 0.38063299550988217 (pred)	9.979999999999999 (actual)
Steering angle: 0.4120076829057473 (pred)	10.08 (actual)
Steering angle: 0.8172052403221687 (pred)	9.979999999999999 (actual)
Steering angle: 0.9538815944823551 (pred)	9.979999999999999 (actual)
Steering angle: 0.9694851616412493 (pred)	9.979999999999999 (actual)
Steering angle: 0.7491108156180804 (pred)	9.979999999999999 (actual)
Steering angle: 0.8241009566195313 (pred)	9.88 (actual)
Steering angle: 0.8529301178890973 (pred)	9.68 (actual)
Steering angle: 0.616618806098173 (pred)	9.48 (actual)



Steering angle: 0.7300464769841054 (pred)	8.97 (actual)
Steering angle: 1.0623761612402458 (pred)	8.469999999999999 (actual)
Steering angle: 1.278081646078888 (pred)	8.07 (actual)
Steering angle: 1.5611767654766375 (pred)	7.659999999999998 (actual)
Steering angle: 1.6525294784085003 (pred)	7.659999999999998 (actual)
Steering angle: 2.1892734910316056 (pred)	7.559999999999999 (actual)
Steering angle: 2.221135256292657 (pred)	7.559999999999999 (actual)
Steering angle: 2.049773280536442 (pred)	7.559999999999999 (actual)
Steering angle: 2.144788682410724 (pred)	7.460000000000001 (actual)
Steering angle: 2.315707336201123 (pred)	7.460000000000001 (actual)
Steering angle: 2.4719001021409746 (pred)	7.460000000000001 (actual)
Steering angle: 2.4233348958212453 (pred)	7.559999999999999 (actual)
Steering angle: 2.3276529101726524 (pred)	8.27 (actual)
Steering angle: 2.8324743261624103 (pred)	9.48 (actual)
Steering angle: 4.829142672458592 (pred)	10.49 (actual)
Steering angle: 3.971409224035683 (pred)	10.69 (actual)
Steering angle: 3.455955978272565 (pred)	10.69 (actual)
Steering angle: 2.8586856039891573 (pred)	10.69 (actual)
Steering angle: 3.1001169963366526 (pred)	10.69 (actual)
Steering angle: 2.536573882731356 (pred)	10.69 (actual)
Steering angle: 3.2329387759274244 (pred)	10.69 (actual)
Steering angle: 2.3984569989865316 (pred)	10.69 (actual)
Steering angle: 2.2880299155803505 (pred)	10.69 (actual)
Steering angle: 2.4853335901345086 (pred)	10.69 (actual)
Steering angle: 2.3956226839243877 (pred)	10.69 (actual)
Steering angle: 2.4415992485486826 (pred)	10.59 (actual)
Steering angle: 2.602057467625207 (pred)	10.389999999999999 (actual)
Steering angle: 2.7967793306731004 (pred)	10.08 (actual)
Steering angle: 3.2724477917379517 (pred)	9.380000000000003 (actual)
Steering angle: 3.7267202583409147 (pred)	8.570000000000002 (actual)
Steering angle: 3.4850180063041463 (pred)	7.460000000000001 (actual)
Steering angle: 3.2897204863752676 (pred)	6.860000000000001 (actual)
Steering angle: 3.0487951683565884 (pred)	6.45 (actual)
Steering angle: 2.9171306789433102 (pred)	6.45 (actual)
Steering angle: 3.2374718871021972 (pred)	6.45 (actual)
Steering angle: 3.2014708137607064 (pred)	6.25 (actual)
Steering angle: 3.25312582690622 (pred)	5.55 (actual)
Steering angle: 3.5437909303384596 (pred)	4.64 (actual)
Steering angle: 3.39891856261767 (pred)	0.0 (actual)
Steering angle: 3.5897549018014723 (pred)	3.03 (actual)
Steering angle: 3.336393943738315 (pred)	2.52 (actual)
Steering angle: 3.9318402306265066 (pred)	2.42 (actual)
Steering angle: 4.266063584830033 (pred)	2.32 (actual)
Steering angle: 4.121015553181526 (pred)	2.12 (actual)
Steering angle: 3.7770715591286024 (pred)	1.6100000000000003 (actual)
Steering angle: 3.815453380282666 (pred)	1.01 (actual)
Steering angle: 3.976977962643359 (pred)	0.3 (actual)
Steering angle: 3.607209877112263 (pred)	-0.1 (actual)

Steering angle: 3.56599160646194 (pred)	-0.4 (actual)
Steering angle: 3.2222964874268984 (pred)	-0.5 (actual)
Steering angle: 3.023688460184679 (pred)	-0.61 (actual)
Steering angle: 3.6127594058128984 (pred)	-0.71 (actual)
Steering angle: 3.6620387937877172 (pred)	-0.81 (actual)
Steering angle: 4.007916158262578 (pred)	-0.81 (actual)
Steering angle: 4.770504644660386 (pred)	-0.81 (actual)
Steering angle: 5.015773322660959 (pred)	-0.81 (actual)
Steering angle: 4.8891544220536165 (pred)	-0.81 (actual)
Steering angle: 4.88335900654286 (pred)	-0.81 (actual)
Steering angle: 5.039713562588677 (pred)	-0.81 (actual)
Steering angle: 4.388803364875631 (pred)	-0.71 (actual)
Steering angle: 4.054147574320279 (pred)	-0.61 (actual)
Steering angle: 3.6844537670964064 (pred)	-0.61 (actual)
Steering angle: 3.804482815815156 (pred)	-0.5 (actual)
Steering angle: 3.7332324168276987 (pred)	-0.3 (actual)
Steering angle: 4.003661804183306 (pred)	0.0 (actual)
Steering angle: 4.1878220603402445 (pred)	0.2 (actual)
Steering angle: 5.90660330648081 (pred)	0.4 (actual)
Steering angle: 7.822745430009834 (pred)	1.01 (actual)
Steering angle: 6.358402390830583 (pred)	1.71 (actual)
Steering angle: 5.815519318804106 (pred)	2.02 (actual)
Steering angle: 5.182799622398097 (pred)	2.12 (actual)
Steering angle: 5.2784623981396495 (pred)	2.32 (actual)
Steering angle: 6.367646198098549 (pred)	3.03 (actual)
Steering angle: 5.916870788350632 (pred)	3.7300000000000004 (actual)
Steering angle: 5.860956298483969 (pred)	4.34 (actual)
Steering angle: 5.450875155810989 (pred)	4.84 (actual)
Steering angle: 5.675754865365427 (pred)	5.139999999999999 (actual)
Steering angle: 6.263197237763421 (pred)	5.55 (actual)
Steering angle: 6.5452238594428875 (pred)	5.55 (actual)
Steering angle: 6.46479197866364 (pred)	5.65 (actual)
Steering angle: 6.2167826872586 (pred)	0.0 (actual)
Steering angle: 6.28254887122936 (pred)	5.65 (actual)
Steering angle: 6.347550927786725 (pred)	0.0 (actual)
Steering angle: 6.04345767244624 (pred)	5.75 (actual)
Steering angle: 6.522311562985256 (pred)	5.849999999999999 (actual)
Steering angle: 7.516312407991797 (pred)	5.849999999999999 (actual)
Steering angle: 7.705833081986726 (pred)	5.849999999999999 (actual)
Steering angle: 7.749724731366874 (pred)	5.849999999999999 (actual)
Steering angle: 7.503705586331246 (pred)	5.75 (actual)
Steering angle: 7.056691476381891 (pred)	5.65 (actual)
Steering angle: 7.054150219123823 (pred)	5.65 (actual)
Steering angle: 7.086210273314216 (pred)	5.65 (actual)
Steering angle: 6.782233558076445 (pred)	5.65 (actual)
Steering angle: 6.993886606303154 (pred)	5.55 (actual)
Steering angle: 6.935481231823552 (pred)	5.3400000000000001 (actual)
Steering angle: 6.8973128540810515 (pred)	4.94 (actual)

Steering angle: 6.574821630437492 (pred)	4.44 (actual)
Steering angle: 6.617448414160718 (pred)	4.34 (actual)
Steering angle: 6.387768789167053 (pred)	4.34 (actual)
Steering angle: 6.094465525167895 (pred)	4.34 (actual)
Steering angle: 5.746627896401241 (pred)	4.34 (actual)
Steering angle: 5.345492167106862 (pred)	4.34 (actual)
Steering angle: 4.87978639072012 (pred)	4.44 (actual)
Steering angle: 5.045688697451968 (pred)	4.54 (actual)
Steering angle: 5.136352628494717 (pred)	4.54 (actual)
Steering angle: 4.9140269828030405 (pred)	4.54 (actual)
Steering angle: 4.947843676270597 (pred)	4.64 (actual)
Steering angle: 3.7732060989451983 (pred)	4.64 (actual)
Steering angle: 4.406276696319816 (pred)	4.64 (actual)
Steering angle: 4.617300086482415 (pred)	4.64 (actual)
Steering angle: 5.469101515611167 (pred)	4.74 (actual)
Steering angle: 5.798661985045691 (pred)	4.74 (actual)
Steering angle: 6.43703835874494 (pred)	4.74 (actual)
Steering angle: 7.26067208773656 (pred)	4.74 (actual)
Steering angle: 6.32804134619623 (pred)	4.74 (actual)
Steering angle: 5.164784571575365 (pred)	4.74 (actual)
Steering angle: 5.050692664792649 (pred)	4.84 (actual)
Steering angle: 4.528013292331069 (pred)	5.55 (actual)
Steering angle: 3.984084347587934 (pred)	6.659999999999999 (actual)
Steering angle: 4.028530096064499 (pred)	8.07 (actual)
Steering angle: 4.646421451782411 (pred)	8.87 (actual)
Steering angle: 4.881670242270575 (pred)	9.380000000000003 (actual)
Steering angle: 4.20488984930246 (pred)	9.78 (actual)
Steering angle: 3.6691144428810274 (pred)	9.979999999999999 (actual)
Steering angle: 3.4995859460301375 (pred)	9.979999999999999 (actual)
Steering angle: 2.8890462217366872 (pred)	9.979999999999999 (actual)
Steering angle: 2.676039728837258 (pred)	9.979999999999999 (actual)
Steering angle: 2.212087390076506 (pred)	9.979999999999999 (actual)
Steering angle: 2.039439417765624 (pred)	9.979999999999999 (actual)
Steering angle: 2.101174509465608 (pred)	9.979999999999999 (actual)
Steering angle: 2.1396254862850177 (pred)	9.979999999999999 (actual)
Steering angle: 2.256938254148218 (pred)	9.78 (actual)
Steering angle: 2.6088791190587575 (pred)	9.68 (actual)
Steering angle: 2.7525502272592712 (pred)	9.68 (actual)
Steering angle: 2.6573785848077254 (pred)	9.68 (actual)
Steering angle: 2.8211135871385635 (pred)	9.68 (actual)
Steering angle: 3.2308463901638733 (pred)	9.48 (actual)
Steering angle: 3.939796974122748 (pred)	9.48 (actual)
Steering angle: 5.2242298423561015 (pred)	9.380000000000003 (actual)
Steering angle: 6.961126884609658 (pred)	9.28 (actual)
Steering angle: 6.066631223639624 (pred)	9.18 (actual)
Steering angle: 4.701917165675587 (pred)	8.77 (actual)
Steering angle: 7.724230196516155 (pred)	8.67 (actual)
Steering angle: 8.562347341642788 (pred)	8.67 (actual)

Steering angle: 11.953835939103952 (pred)	8.570000000000002 (actual)
Steering angle: 5.864233081738282 (pred)	8.27 (actual)
Steering angle: 6.45284085516341 (pred)	7.969999999999999 (actual)
Steering angle: 6.190421999043759 (pred)	7.969999999999999 (actual)
Steering angle: 4.37335176942577 (pred)	7.87 (actual)
Steering angle: 4.216167345395797 (pred)	7.659999999999998 (actual)
Steering angle: 3.8575623502894407 (pred)	7.16 (actual)
Steering angle: 3.776069228867903 (pred)	6.55 (actual)
Steering angle: 3.2486373254044643 (pred)	5.55 (actual)
Steering angle: 3.2190705037045366 (pred)	5.24 (actual)
Steering angle: 2.9694247416630435 (pred)	5.04 (actual)
Steering angle: 3.671330412379873 (pred)	4.94 (actual)
Steering angle: 4.112860734199354 (pred)	4.74 (actual)
Steering angle: 4.4922756081594475 (pred)	4.44 (actual)
Steering angle: 9.401427543442392 (pred)	4.03 (actual)
Steering angle: 3.1977024703295633 (pred)	3.829999999999999 (actual)
Steering angle: 2.1447664842959213 (pred)	3.829999999999999 (actual)
Steering angle: 2.0490053111416384 (pred)	3.7300000000000004 (actual)
Steering angle: 2.202195568611035 (pred)	3.53 (actual)
Steering angle: 2.0288355490791794 (pred)	2.92 (actual)
Steering angle: 1.9827765952980216 (pred)	2.42 (actual)
Steering angle: 1.7261108928936362 (pred)	1.92 (actual)
Steering angle: 1.8268376135745183 (pred)	1.82 (actual)
Steering angle: 1.946147357996301 (pred)	1.82 (actual)
Steering angle: 1.949354558698445 (pred)	1.82 (actual)
Steering angle: 1.642301910456641 (pred)	1.82 (actual)
Steering angle: 1.6740403054258093 (pred)	1.71 (actual)
Steering angle: 1.3709991126609182 (pred)	1.6100000000000003 (actual)
Steering angle: 1.1889572823637418 (pred)	1.6100000000000003 (actual)
Steering angle: 1.3187071843753007 (pred)	1.6100000000000003 (actual)
Steering angle: 1.4583747345051294 (pred)	1.41 (actual)
Steering angle: 1.6756462536544086 (pred)	1.21 (actual)
Steering angle: 1.8000984901909762 (pred)	1.01 (actual)
Steering angle: 2.035401495305677 (pred)	0.81 (actual)
Steering angle: 2.099692358415715 (pred)	0.61 (actual)
Steering angle: 2.29112996768989 (pred)	0.0 (actual)
Steering angle: 2.2986254599737443 (pred)	0.4 (actual)
Steering angle: 2.570204026657206 (pred)	0.4 (actual)
Steering angle: 2.5372509252328337 (pred)	0.4 (actual)
Steering angle: 2.663436322271292 (pred)	0.3 (actual)
Steering angle: 2.1098225961719015 (pred)	0.3 (actual)
Steering angle: 2.0622885349734323 (pred)	0.3 (actual)
Steering angle: 2.001233260539277 (pred)	0.3 (actual)
Steering angle: 1.7758745839692913 (pred)	0.3 (actual)
Steering angle: 1.7674049359550639 (pred)	0.3 (actual)
Steering angle: 1.9156921848174489 (pred)	0.3 (actual)
Steering angle: 1.5666744274282631 (pred)	0.3 (actual)
Steering angle: 2.10320286220569 (pred)	0.3 (actual)

Steering angle: 3.6982588600694717 (pred)	0.3 (actual)
Steering angle: 2.0313102119928397 (pred)	0.3 (actual)
Steering angle: 8.584371286621494 (pred)	0.3 (actual)
Steering angle: 8.262397876694385 (pred)	0.3 (actual)
Steering angle: 7.180407973478801 (pred)	0.1 (actual)
Steering angle: 4.937085701441004 (pred)	0.0 (actual)
Steering angle: 5.5468115660061645 (pred)	-0.1 (actual)
Steering angle: 8.99580139165555 (pred)	-0.1 (actual)
Steering angle: 9.554765290309177 (pred)	-0.2 (actual)
Steering angle: 8.396964556174684 (pred)	-0.2 (actual)
Steering angle: 5.499694786677301 (pred)	-0.5 (actual)
Steering angle: 4.799211502855126 (pred)	-0.81 (actual)
Steering angle: 5.092468236190562 (pred)	-1.01 (actual)
Steering angle: 4.334307846809039 (pred)	-1.11 (actual)
Steering angle: 3.402621378921463 (pred)	-1.31 (actual)
Steering angle: 3.775335837305773 (pred)	-2.02 (actual)
Steering angle: 3.758466123829488 (pred)	-2.7200000000000006 (actual)
Steering angle: 4.080741342740546 (pred)	-3.3299999999999996 (actual)
Steering angle: 3.706019662513899 (pred)	-3.4300000000000006 (actual)
Steering angle: 4.535270795211031 (pred)	-3.4300000000000006 (actual)
Steering angle: 4.399532738288075 (pred)	-3.3299999999999996 (actual)
Steering angle: 4.203370132212132 (pred)	-3.3299999999999996 (actual)
Steering angle: 3.508462630630215 (pred)	-3.3299999999999996 (actual)
Steering angle: 2.279442019916117 (pred)	-3.3299999999999996 (actual)
Steering angle: 2.385214756289758 (pred)	-3.3299999999999996 (actual)
Steering angle: 2.624300832431 (pred)	-2.92 (actual)
Steering angle: 3.1880689153920834 (pred)	-2.62 (actual)
Steering angle: 4.197597768589825 (pred)	-2.62 (actual)
Steering angle: 4.750467430956507 (pred)	-2.62 (actual)
Steering angle: 4.649832277499185 (pred)	-2.62 (actual)
Steering angle: 4.065394761449174 (pred)	-2.62 (actual)
Steering angle: 4.432347528381755 (pred)	-2.62 (actual)
Steering angle: 4.868189583283085 (pred)	-2.42 (actual)
Steering angle: 7.636084043956202 (pred)	-2.12 (actual)
Steering angle: 8.817215850521812 (pred)	-2.02 (actual)
Steering angle: 8.486626156956733 (pred)	-2.02 (actual)
Steering angle: 8.2480903379305 (pred)	-2.02 (actual)
Steering angle: 8.161198378856891 (pred)	-2.02 (actual)
Steering angle: 5.743704148549653 (pred)	-2.02 (actual)
Steering angle: 5.094247927356174 (pred)	-2.02 (actual)
Steering angle: 4.94379209343231 (pred)	-2.02 (actual)
Steering angle: 4.819585530262451 (pred)	-2.02 (actual)
Steering angle: 5.148969695439024 (pred)	-1.92 (actual)
Steering angle: 4.401542948338174 (pred)	-1.82 (actual)
Steering angle: 4.232481679115196 (pred)	-1.6100000000000003 (actual)
Steering angle: 4.74665063587094 (pred)	-1.6100000000000003 (actual)
Steering angle: 4.590237169443532 (pred)	-1.6100000000000003 (actual)
Steering angle: 5.384843448236244 (pred)	-1.41 (actual)

Steering angle: 10.154800823989383 (pred)	-0.91 (actual)
Steering angle: 8.819789124291615 (pred)	-0.4 (actual)
Steering angle: 8.273720622790973 (pred)	-0.1 (actual)
Steering angle: 7.742569254437639 (pred)	0.2 (actual)
Steering angle: 6.392892284818209 (pred)	0.3 (actual)
Steering angle: 5.205006274937101 (pred)	0.3 (actual)
Steering angle: 4.739239453734652 (pred)	0.4 (actual)
Steering angle: 4.607764288627431 (pred)	0.4 (actual)
Steering angle: 4.267451820778838 (pred)	0.4 (actual)
Steering angle: 5.127166877834696 (pred)	0.4 (actual)
Steering angle: 6.563493334812202 (pred)	0.4 (actual)
Steering angle: 6.62876347629449 (pred)	0.4 (actual)
Steering angle: 6.022185475163059 (pred)	0.5 (actual)
Steering angle: 4.986185796950109 (pred)	0.0 (actual)
Steering angle: 5.095046205715419 (pred)	1.01 (actual)
Steering angle: 5.3849330944691 (pred)	1.11 (actual)
Steering angle: 5.769753636270435 (pred)	1.21 (actual)
Steering angle: 5.193242554752223 (pred)	1.21 (actual)
Steering angle: 4.892863214772933 (pred)	1.21 (actual)
Steering angle: 4.427085721399907 (pred)	1.01 (actual)
Steering angle: 4.319102991942944 (pred)	0.81 (actual)
Steering angle: 4.487823178594245 (pred)	0.81 (actual)
Steering angle: 4.217289203966972 (pred)	0.81 (actual)
Steering angle: 3.8811888284021614 (pred)	0.61 (actual)
Steering angle: 3.4106425823279967 (pred)	0.4 (actual)
Steering angle: 3.0517748383820065 (pred)	0.3 (actual)
Steering angle: 2.739480233395629 (pred)	0.2 (actual)
Steering angle: 1.8748190521636232 (pred)	0.2 (actual)
Steering angle: 1.8670010468848972 (pred)	0.2 (actual)
Steering angle: 1.960736215176625 (pred)	0.2 (actual)
Steering angle: 1.488692023240112 (pred)	0.2 (actual)
Steering angle: 3.0978912084408745 (pred)	0.2 (actual)
Steering angle: 7.43499559082821 (pred)	0.2 (actual)
Steering angle: 7.0192778345426765 (pred)	0.2 (actual)
Steering angle: 6.257665638309357 (pred)	0.1 (actual)
Steering angle: 4.790039412573446 (pred)	0.0 (actual)
Steering angle: 3.17680422590344 (pred)	-0.1 (actual)
Steering angle: 2.3104884313449987 (pred)	-0.1 (actual)
Steering angle: 1.9889888657915598 (pred)	-0.1 (actual)
Steering angle: 1.4431899433197217 (pred)	-0.1 (actual)
Steering angle: 0.8430750086904152 (pred)	-0.1 (actual)
Steering angle: 0.6785634992283112 (pred)	-0.2 (actual)
Steering angle: 0.5627881642585985 (pred)	-0.2 (actual)
Steering angle: 0.45506348788621515 (pred)	-0.2 (actual)
Steering angle: 0.4255822569943245 (pred)	-0.4 (actual)
Steering angle: 0.5610590591815274 (pred)	-0.91 (actual)
Steering angle: 0.23860582846522543 (pred)	-1.11 (actual)
Steering angle: -0.2891095278487691 (pred)	-0.91 (actual)

Steering angle: -1.1596004889807923 (pred)	-0.71 (actual)
Steering angle: -0.9999192039223567 (pred)	-0.71 (actual)
Steering angle: 0.795623550092221 (pred)	-0.81 (actual)
Steering angle: 0.9463282590339673 (pred)	-0.81 (actual)
Steering angle: 0.6970579439534131 (pred)	-0.5 (actual)
Steering angle: 1.5390211259129971 (pred)	-0.1 (actual)
Steering angle: 2.827342719661615 (pred)	0.0 (actual)
Steering angle: 2.3775943996101394 (pred)	0.0 (actual)
Steering angle: 0.8186438489161026 (pred)	0.3 (actual)
Steering angle: 0.059758605708910936 (pred)	0.91 (actual)
Steering angle: 0.6055807935126093 (pred)	1.51 (actual)
Steering angle: 0.5837562046803029 (pred)	2.7200000000000006 (actual)
Steering angle: 1.073023358939238 (pred)	3.4300000000000006 (actual)
Steering angle: 1.5708060515458862 (pred)	3.63 (actual)
Steering angle: 1.7391473761416634 (pred)	3.63 (actual)
Steering angle: 2.027251798965383 (pred)	3.63 (actual)
Steering angle: 2.640543449164113 (pred)	3.8299999999999999 (actual)
Steering angle: 4.45925505861702 (pred)	4.03 (actual)
Steering angle: 2.8028421907785446 (pred)	4.03 (actual)
Steering angle: -0.49062187959212467 (pred)	4.13 (actual)
Steering angle: -0.6123029803163712 (pred)	4.34 (actual)
Steering angle: -0.6477452588063904 (pred)	4.34 (actual)
Steering angle: -0.621916044686341 (pred)	0.0 (actual)
Steering angle: -0.38359452284531736 (pred)	4.34 (actual)
Steering angle: -0.2834400439508354 (pred)	4.64 (actual)
Steering angle: -0.32577739840798253 (pred)	4.74 (actual)
Steering angle: -0.344704279484911 (pred)	4.74 (actual)
Steering angle: -0.4229906270911278 (pred)	4.74 (actual)
Steering angle: -0.473601475067276 (pred)	4.74 (actual)
Steering angle: -0.29143862235574347 (pred)	4.74 (actual)
Steering angle: -0.16267162725443182 (pred)	4.44 (actual)
Steering angle: -0.10931547011876158 (pred)	3.9300000000000006 (actual)
Steering angle: -0.35932131119556143 (pred)	3.53 (actual)
Steering angle: -0.36327300251723693 (pred)	3.4300000000000006 (actual)
Steering angle: -0.06547035140233409 (pred)	3.4300000000000006 (actual)
Steering angle: 1.2874131785890062 (pred)	3.4300000000000006 (actual)
Steering angle: 2.5834744438843065 (pred)	3.13 (actual)
Steering angle: 2.4641945815401427 (pred)	0.0 (actual)
Steering angle: 0.7645743638989893 (pred)	2.22 (actual)
Steering angle: 0.25631565520942223 (pred)	1.71 (actual)
Steering angle: 0.1270389572412984 (pred)	1.31 (actual)
Steering angle: 0.24385760360673056 (pred)	1.21 (actual)
Steering angle: 0.957442897804282 (pred)	1.21 (actual)
Steering angle: 2.550802447432962 (pred)	1.11 (actual)
Steering angle: 2.2504916227887835 (pred)	0.91 (actual)
Steering angle: 0.15787534035320192 (pred)	0.4 (actual)
Steering angle: 0.0689174624990749 (pred)	0.0 (actual)
Steering angle: 0.006996248144208686 (pred)	-0.1 (actual)

Steering angle: 0.023249537047900278 (pred)	-0.1 (actual)
Steering angle: 0.012529555145565266 (pred)	-0.3 (actual)
Steering angle: 0.047893073016717844 (pred)	-0.5 (actual)
Steering angle: 0.32255845831820246 (pred)	-0.91 (actual)
Steering angle: 0.41364970307090065 (pred)	-1.01 (actual)
Steering angle: 0.8862676308976949 (pred)	-1.11 (actual)
Steering angle: 0.7640300831995038 (pred)	-1.21 (actual)
Steering angle: 0.8064925154958269 (pred)	-1.51 (actual)
Steering angle: 0.7653784052303466 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.0114914653670624 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.803281358344202 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.696699244553915 (pred)	-1.71 (actual)
Steering angle: 1.4907316884810071 (pred)	-1.71 (actual)
Steering angle: 1.6238804633782935 (pred)	-1.82 (actual)
Steering angle: 1.9819420315588105 (pred)	-1.82 (actual)
Steering angle: 2.231597825440647 (pred)	-1.82 (actual)
Steering angle: 2.2453433677018864 (pred)	-1.82 (actual)
Steering angle: 2.193150050272411 (pred)	-1.82 (actual)
Steering angle: 2.3182605462902384 (pred)	-2.02 (actual)
Steering angle: 2.394835931509367 (pred)	-2.02 (actual)
Steering angle: 1.9681330966043373 (pred)	-2.02 (actual)
Steering angle: 2.050190348962636 (pred)	-2.02 (actual)
Steering angle: 1.597878786981701 (pred)	-2.02 (actual)
Steering angle: 0.9617693957566621 (pred)	-2.02 (actual)
Steering angle: 0.7857039809832468 (pred)	-2.02 (actual)
Steering angle: 1.189426430982357 (pred)	-2.02 (actual)
Steering angle: 1.4457787984585682 (pred)	-2.02 (actual)
Steering angle: 1.3734863687358607 (pred)	-2.02 (actual)
Steering angle: 1.505471023266483 (pred)	-2.02 (actual)
Steering angle: 1.5721200091874674 (pred)	-2.02 (actual)
Steering angle: 1.7441588140017485 (pred)	-2.02 (actual)
Steering angle: 0.36590924209345027 (pred)	-2.02 (actual)
Steering angle: 0.043118557343467374 (pred)	-2.02 (actual)
Steering angle: -0.26831459003384217 (pred)	0.0 (actual)
Steering angle: -0.26851138485930315 (pred)	-2.02 (actual)
Steering angle: 0.13103205658481712 (pred)	-2.02 (actual)
Steering angle: 0.17040617615923656 (pred)	-2.02 (actual)
Steering angle: 0.04644208470491326 (pred)	-2.02 (actual)
Steering angle: -0.11738619239677789 (pred)	-2.02 (actual)
Steering angle: 0.26141631241554086 (pred)	-2.02 (actual)
Steering angle: 0.32368672019172395 (pred)	-1.51 (actual)
Steering angle: -0.338945576240944 (pred)	-1.01 (actual)
Steering angle: -0.6358923192754796 (pred)	-0.71 (actual)
Steering angle: -0.6586240426069283 (pred)	-0.71 (actual)
Steering angle: -0.9300105102199837 (pred)	-0.71 (actual)
Steering angle: 0.0015542949230010266 (pred)	-0.71 (actual)
Steering angle: -0.21767471375372136 (pred)	-0.71 (actual)
Steering angle: -0.8945942718261751 (pred)	-0.51 (actual)



Steering angle: -1.9151316824186846 (pred)	-0.5 (actual)
Steering angle: -0.5463306100100411 (pred)	-0.5 (actual)
Steering angle: -0.6592908398246508 (pred)	-0.5 (actual)
Steering angle: -0.1930582850981723 (pred)	-0.5 (actual)
Steering angle: -0.6341215927331538 (pred)	-0.3 (actual)
Steering angle: 0.0685159754419251 (pred)	-0.1 (actual)
Steering angle: -0.08001395857940688 (pred)	-0.1 (actual)
Steering angle: -0.2790661615610885 (pred)	-0.1 (actual)
Steering angle: 0.11403449050500569 (pred)	0.0 (actual)
Steering angle: 0.6911615697089881 (pred)	0.4 (actual)
Steering angle: 0.5064049526601432 (pred)	0.61 (actual)
Steering angle: 0.5534643157112964 (pred)	0.61 (actual)
Steering angle: 0.09007162557566221 (pred)	0.5 (actual)
Steering angle: 0.03665933282275094 (pred)	0.3 (actual)
Steering angle: 0.3769020046757627 (pred)	0.61 (actual)
Steering angle: 0.13635170673119923 (pred)	1.41 (actual)
Steering angle: 0.7600352763086926 (pred)	1.51 (actual)
Steering angle: 1.8589230675308879 (pred)	0.91 (actual)
Steering angle: 5.616701903575143 (pred)	0.81 (actual)
Steering angle: 7.434666034200757 (pred)	0.81 (actual)
Steering angle: 4.967416010224092 (pred)	0.91 (actual)
Steering angle: 2.0727220758174503 (pred)	0.91 (actual)
Steering angle: 1.4101755836362304 (pred)	0.71 (actual)
Steering angle: 3.598566272717612 (pred)	-0.4 (actual)
Steering angle: 6.452022086236655 (pred)	-1.31 (actual)
Steering angle: 9.436109536500423 (pred)	-1.31 (actual)
Steering angle: 10.211401747867631 (pred)	-1.31 (actual)
Steering angle: 11.041980071697862 (pred)	-1.31 (actual)
Steering angle: 12.222912095230251 (pred)	-1.31 (actual)
Steering angle: 12.44287662990322 (pred)	-0.71 (actual)
Steering angle: 10.205704516326195 (pred)	-0.1 (actual)
Steering angle: 9.807842582078367 (pred)	0.1 (actual)
Steering angle: 9.429981149267629 (pred)	0.1 (actual)
Steering angle: 10.431262975929403 (pred)	0.1 (actual)
Steering angle: 10.248150726923239 (pred)	0.2 (actual)
Steering angle: 9.883988946040255 (pred)	0.71 (actual)
Steering angle: 9.47459423737886 (pred)	1.01 (actual)
Steering angle: 8.994069084927308 (pred)	1.41 (actual)
Steering angle: 9.181745607846333 (pred)	1.82 (actual)
Steering angle: 10.123108746240524 (pred)	0.0 (actual)
Steering angle: 10.065091411883143 (pred)	2.52 (actual)
Steering angle: 10.2216700835111 (pred)	3.03 (actual)
Steering angle: 10.117859745863369 (pred)	3.3299999999999996 (actual)
Steering angle: 9.912832834905219 (pred)	3.53 (actual)
Steering angle: 10.394529364799428 (pred)	3.53 (actual)
Steering angle: 11.051929095997632 (pred)	3.63 (actual)
Steering angle: 11.262625063966894 (pred)	3.7300000000000004 (actual)
Steering angle: 10.053311043112164 (pred)	3.8299999999999999 (actual)

Steering angle: 9.28501038413411 (pred)	3.829999999999999 (actual)
Steering angle: 8.969846672809503 (pred)	3.829999999999999 (actual)
Steering angle: 10.021183540803715 (pred)	3.829999999999999 (actual)
Steering angle: 10.060679109679315 (pred)	3.9300000000000006 (actual)
Steering angle: 9.105543748597439 (pred)	4.03 (actual)
Steering angle: 8.386780744122195 (pred)	0.0 (actual)
Steering angle: 7.966654100727418 (pred)	4.03 (actual)
Steering angle: 7.755769448782335 (pred)	4.03 (actual)
Steering angle: 6.934672281293729 (pred)	4.03 (actual)
Steering angle: 7.387479672319724 (pred)	4.03 (actual)
Steering angle: 7.600141880996302 (pred)	3.7300000000000004 (actual)
Steering angle: 7.823018637576634 (pred)	3.13 (actual)
Steering angle: 7.754817491166764 (pred)	3.03 (actual)
Steering angle: 8.312353026510213 (pred)	3.03 (actual)
Steering angle: 7.47038877733357 (pred)	2.92 (actual)
Steering angle: 6.135220837058538 (pred)	2.62 (actual)
Steering angle: 4.425793961873128 (pred)	2.02 (actual)
Steering angle: 3.2144338724751558 (pred)	1.41 (actual)
Steering angle: 0.6402171096805671 (pred)	0.71 (actual)
Steering angle: 0.4440698715302565 (pred)	0.1 (actual)
Steering angle: 0.29872429976603143 (pred)	-0.3 (actual)
Steering angle: 0.4961771712648722 (pred)	-0.4 (actual)
Steering angle: 0.557202563621409 (pred)	-0.5 (actual)
Steering angle: 0.6727939103703544 (pred)	-0.61 (actual)
Steering angle: 0.6542505871040045 (pred)	-1.01 (actual)
Steering angle: 0.6785050157335429 (pred)	-1.41 (actual)
Steering angle: 0.49993014677038267 (pred)	0.0 (actual)
Steering angle: 0.38365044501914686 (pred)	-1.82 (actual)
Steering angle: 0.3477910981029336 (pred)	-1.82 (actual)
Steering angle: 0.34539562269496327 (pred)	-1.82 (actual)
Steering angle: 0.33733343815340944 (pred)	-1.92 (actual)
Steering angle: 0.3237708168958797 (pred)	-1.92 (actual)
Steering angle: 0.27757760720884883 (pred)	-1.92 (actual)
Steering angle: 0.20255267493131313 (pred)	-1.92 (actual)
Steering angle: 0.3856070807729439 (pred)	-1.92 (actual)
Steering angle: 0.4600851710300555 (pred)	-1.92 (actual)
Steering angle: 0.550931596189691 (pred)	-2.02 (actual)
Steering angle: 0.5129200993546891 (pred)	-2.12 (actual)
Steering angle: 0.6525059006578894 (pred)	-2.12 (actual)
Steering angle: 1.9154646541407228 (pred)	-2.12 (actual)
Steering angle: 1.0065790652499422 (pred)	-2.12 (actual)
Steering angle: 0.3977806123080223 (pred)	-2.12 (actual)
Steering angle: 0.3423342038429166 (pred)	-2.12 (actual)
Steering angle: 0.4268827677009772 (pred)	-2.12 (actual)
Steering angle: 0.5813035264380336 (pred)	-2.12 (actual)
Steering angle: 0.9254135794651536 (pred)	-2.12 (actual)
Steering angle: 1.4579440057005955 (pred)	-2.12 (actual)
Steering angle: 1.6259737029154908 (pred)	-2.32 (actual)

Steering angle: 1.3574569819708986 (pred)	-2.62 (actual)
Steering angle: 1.5318993730427894 (pred)	-2.62 (actual)
Steering angle: 1.6713099373050966 (pred)	-2.62 (actual)
Steering angle: 2.4486305014123877 (pred)	-2.62 (actual)
Steering angle: 2.759299948263125 (pred)	-2.62 (actual)
Steering angle: 2.43058599539886 (pred)	-2.62 (actual)
Steering angle: 2.2343768586591963 (pred)	-2.62 (actual)
Steering angle: 1.7028073546626106 (pred)	0.0 (actual)
Steering angle: 1.21903636825142 (pred)	-2.62 (actual)
Steering angle: 0.8218405908910802 (pred)	-2.62 (actual)
Steering angle: 0.8518731461150378 (pred)	-2.62 (actual)
Steering angle: 2.0556807538382684 (pred)	-2.62 (actual)
Steering angle: 2.931197666982363 (pred)	-2.62 (actual)
Steering angle: 3.7474972669092703 (pred)	-2.62 (actual)
Steering angle: 2.967946859481382 (pred)	-2.62 (actual)
Steering angle: 1.659802135770683 (pred)	-2.62 (actual)
Steering angle: 1.7228048678919383 (pred)	-2.62 (actual)
Steering angle: 1.5502567870976682 (pred)	-2.52 (actual)
Steering angle: 1.4058680821474796 (pred)	-2.42 (actual)
Steering angle: 2.068042115575522 (pred)	-2.22 (actual)
Steering angle: 1.9540069847402817 (pred)	-2.12 (actual)
Steering angle: 2.1102347553996297 (pred)	-2.02 (actual)
Steering angle: 1.6997935336913423 (pred)	0.0 (actual)
Steering angle: 1.8520706802460725 (pred)	-2.02 (actual)
Steering angle: 2.5601781627292737 (pred)	-1.82 (actual)
Steering angle: 2.6975313459475263 (pred)	-1.71 (actual)
Steering angle: 2.2512822171852127 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.627443901134336 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.1660705991154985 (pred)	-1.6100000000000003 (actual)
Steering angle: 1.013595803961661 (pred)	-1.31 (actual)
Steering angle: 0.7039158807669291 (pred)	-0.91 (actual)
Steering angle: 0.4575089090524913 (pred)	-0.2 (actual)
Steering angle: 0.2917395775660471 (pred)	0.5 (actual)
Steering angle: 0.45848071690533715 (pred)	0.91 (actual)
Steering angle: 0.6015200326076251 (pred)	1.51 (actual)
Steering angle: 1.4045556186097794 (pred)	2.12 (actual)
Steering angle: 3.939467417495295 (pred)	2.7200000000000006 (actual)
Steering angle: 8.485949968228901 (pred)	3.23 (actual)
Steering angle: 10.53087445478487 (pred)	3.23 (actual)
Steering angle: 10.267246228295303 (pred)	3.23 (actual)
Steering angle: 10.103202159904521 (pred)	0.0 (actual)
Steering angle: 6.51574177477735 (pred)	3.23 (actual)
Steering angle: 2.785055097519362 (pred)	3.23 (actual)
Steering angle: 1.1396913413238514 (pred)	3.23 (actual)
Steering angle: 0.9779475525794835 (pred)	3.23 (actual)
Steering angle: 0.9642886683433389 (pred)	3.23 (actual)
Steering angle: 1.4033944864508772 (pred)	3.23 (actual)
Steering angle: 1.3231177790318362 (pred)	3.23 (actual)

Steering angle: 2.1474938642088723 (pred)	3.23 (actual)
Steering angle: 2.4440632392917645 (pred)	3.4300000000000006 (actual)
Steering angle: 3.440044839157609 (pred)	3.4300000000000006 (actual)
Steering angle: 4.456137931034556 (pred)	3.4300000000000006 (actual)
Steering angle: 5.4320537157793725 (pred)	3.4300000000000006 (actual)
Steering angle: 4.480511461087747 (pred)	3.3299999999999996 (actual)
Steering angle: 5.310763216498286 (pred)	3.03 (actual)
Steering angle: 3.168364673410243 (pred)	2.82 (actual)
Steering angle: 3.1146682874765417 (pred)	2.42 (actual)
Steering angle: 3.3187372644035973 (pred)	2.22 (actual)
Steering angle: 4.073944023855915 (pred)	0.0 (actual)
Steering angle: 5.022830615620874 (pred)	1.82 (actual)
Steering angle: 3.6885527343720605 (pred)	1.71 (actual)
Steering angle: 2.8669356187328865 (pred)	1.51 (actual)
Steering angle: 2.9052224575688044 (pred)	1.51 (actual)
Steering angle: 2.037698146414094 (pred)	1.31 (actual)
Steering angle: 1.6208809431156 (pred)	1.01 (actual)
Steering angle: 1.339030198807262 (pred)	0.71 (actual)
Steering angle: 1.3208830265127727 (pred)	0.4 (actual)
Steering angle: 1.263590759424471 (pred)	0.2 (actual)
Steering angle: 1.7916760131707041 (pred)	0.2 (actual)
Steering angle: 1.9950421209434834 (pred)	0.2 (actual)
Steering angle: 1.5603178691885085 (pred)	0.2 (actual)
Steering angle: 1.2841929578387568 (pred)	0.2 (actual)
Steering angle: 1.2818830732388231 (pred)	0.2 (actual)
Steering angle: 1.7055772098144621 (pred)	0.1 (actual)
Steering angle: 1.46556927157868 (pred)	0.0 (actual)
Steering angle: 2.195851176645739 (pred)	-0.3 (actual)
Steering angle: 2.32845289607919 (pred)	-0.5 (actual)
Steering angle: 2.298530477655599 (pred)	-0.5 (actual)
Steering angle: 2.5880034996342594 (pred)	-0.5 (actual)
Steering angle: 3.110133041867653 (pred)	-0.5 (actual)
Steering angle: 2.907935750216592 (pred)	-0.61 (actual)
Steering angle: 2.9835815893783644 (pred)	-0.61 (actual)
Steering angle: 3.2685930037251256 (pred)	-0.61 (actual)
Steering angle: 2.99716961040187 (pred)	-0.61 (actual)
Steering angle: 2.9448053247997326 (pred)	-0.61 (actual)
Steering angle: 2.6192392353691973 (pred)	-0.61 (actual)
Steering angle: 2.5872227236347625 (pred)	-0.61 (actual)
Steering angle: 2.527849596727134 (pred)	-0.61 (actual)
Steering angle: 2.9475286492878636 (pred)	-0.61 (actual)
Steering angle: 3.35065239051754 (pred)	-0.61 (actual)
Steering angle: 2.963417163401194 (pred)	-0.61 (actual)
Steering angle: 2.694285298544478 (pred)	-0.5 (actual)
Steering angle: 2.5000754862409234 (pred)	-0.5 (actual)
Steering angle: 2.2833158043925725 (pred)	-0.4 (actual)
Steering angle: 2.4463404670497293 (pred)	-0.2 (actual)
Steering angle: 3.118368542459396 (pred)	-0.1 (actual)

Steering angle: 3.1777216056863375 (pred)	-0.1 (actual)
Steering angle: 2.848640103267361 (pred)	-0.1 (actual)
Steering angle: 2.828618684375938 (pred)	-0.1 (actual)
Steering angle: 2.742992017846073 (pred)	-0.1 (actual)
Steering angle: 3.417911824595594 (pred)	0.0 (actual)
Steering angle: 3.07441712892401 (pred)	0.0 (actual)
Steering angle: 2.9381723573420038 (pred)	0.1 (actual)
Steering angle: 2.8292743825362594 (pred)	0.0 (actual)
Steering angle: 2.6290644624902604 (pred)	0.4 (actual)
Steering angle: 2.2586095160607553 (pred)	0.71 (actual)
Steering angle: 2.410276001015004 (pred)	1.51 (actual)
Steering angle: 2.3171809495145532 (pred)	1.51 (actual)
Steering angle: 2.388550449925663 (pred)	1.51 (actual)
Steering angle: 2.6178473708823957 (pred)	1.51 (actual)
Steering angle: 2.4970004070105367 (pred)	1.51 (actual)
Steering angle: 2.6473757727682417 (pred)	1.51 (actual)
Steering angle: 2.559506242869674 (pred)	1.51 (actual)
Steering angle: 2.8342044984565393 (pred)	1.51 (actual)
Steering angle: 3.480866531949248 (pred)	1.51 (actual)
Steering angle: 4.132890263940417 (pred)	1.51 (actual)
Steering angle: 7.436931949457909 (pred)	1.51 (actual)
Steering angle: 7.400900140265152 (pred)	1.51 (actual)
Steering angle: 8.113769545260322 (pred)	1.51 (actual)
Steering angle: 8.37642276224587 (pred)	1.51 (actual)
Steering angle: 7.8528622953813585 (pred)	1.6100000000000003 (actual)
Steering angle: 7.533381050727659 (pred)	1.6100000000000003 (actual)
Steering angle: 6.821899027907648 (pred)	1.51 (actual)
Steering angle: 6.849782421420579 (pred)	1.11 (actual)
Steering angle: 6.435289830317417 (pred)	1.01 (actual)
Steering angle: 6.641416828618762 (pred)	0.71 (actual)
Steering angle: 7.293768623133503 (pred)	0.5 (actual)
Steering angle: 7.719779474498245 (pred)	0.3 (actual)
Steering angle: 6.1513588665199865 (pred)	0.3 (actual)
Steering angle: 5.615391361028147 (pred)	0.3 (actual)
Steering angle: 3.550203837638867 (pred)	0.3 (actual)
Steering angle: 2.841673737200771 (pred)	0.3 (actual)
Steering angle: 2.9023531377871645 (pred)	0.3 (actual)
Steering angle: 2.887631305361437 (pred)	0.3 (actual)
Steering angle: 4.0214783526332845 (pred)	0.3 (actual)
Steering angle: 4.237828436574847 (pred)	0.4 (actual)
Steering angle: 3.8850790480213067 (pred)	0.4 (actual)
Steering angle: 3.478021544716526 (pred)	0.2 (actual)
Steering angle: 3.343953255602227 (pred)	0.2 (actual)
Steering angle: 2.375802115283246 (pred)	0.2 (actual)
Steering angle: 2.091291866066834 (pred)	0.2 (actual)
Steering angle: 2.374481114009083 (pred)	0.2 (actual)
Steering angle: 2.4665475817092117 (pred)	0.2 (actual)
Steering angle: 3.0794193887173984 (pred)	0.2 (actual)

Steering angle: 4.952092480821168 (pred)	0.0 (actual)
Steering angle: 4.5980423681175635 (pred)	0.0 (actual)
Steering angle: 3.6041986174619334 (pred)	-0.1 (actual)
Steering angle: 3.55234702293437 (pred)	-0.1 (actual)
Steering angle: 2.6002474674951537 (pred)	-0.3 (actual)
Steering angle: 2.145806807483879 (pred)	-0.5 (actual)
Steering angle: 2.610105351458186 (pred)	-0.91 (actual)
Steering angle: 2.8951041726436655 (pred)	-1.51 (actual)
Steering angle: 3.045395014810391 (pred)	-2.12 (actual)
Steering angle: 3.302762732595407 (pred)	-2.7200000000000006 (actual)
Steering angle: 3.164383100010949 (pred)	-2.92 (actual)
Steering angle: 2.8829630845071446 (pred)	-3.13 (actual)
Steering angle: 2.4645373716591124 (pred)	-3.53 (actual)
Steering angle: 2.299322566155909 (pred)	-3.829999999999999 (actual)
Steering angle: 3.9673836812936067 (pred)	-4.34 (actual)
Steering angle: 5.80968292215833 (pred)	-5.04 (actual)
Steering angle: 7.321306238319702 (pred)	-5.45 (actual)
Steering angle: 8.590614933296532 (pred)	-5.849999999999999 (actual)
Steering angle: 6.204513106188318 (pred)	-5.849999999999999 (actual)
Steering angle: 8.551928741837578 (pred)	-5.849999999999999 (actual)
Steering angle: 7.240691223093334 (pred)	-5.849999999999999 (actual)
Steering angle: 12.765036162485211 (pred)	-5.849999999999999 (actual)
Steering angle: 8.871095797789458 (pred)	-5.849999999999999 (actual)
Steering angle: 8.942902430307448 (pred)	-5.849999999999999 (actual)
Steering angle: 8.135105348680149 (pred)	-5.849999999999999 (actual)
Steering angle: 9.317306079850868 (pred)	-5.75 (actual)
Steering angle: 9.51778408482179 (pred)	-5.45 (actual)
Steering angle: 9.987024057217189 (pred)	-4.84 (actual)
Steering angle: 11.687011184082818 (pred)	-4.03 (actual)
Steering angle: 13.130861948204739 (pred)	-3.53 (actual)
Steering angle: 19.70702186883273 (pred)	-2.92 (actual)
Steering angle: 10.668774266580135 (pred)	-2.62 (actual)
Steering angle: 11.403125470288641 (pred)	-1.71 (actual)
Steering angle: 10.44249522201949 (pred)	-1.21 (actual)
Steering angle: 9.442899598309062 (pred)	-1.21 (actual)
Steering angle: 8.800208679488481 (pred)	-1.11 (actual)
Steering angle: 8.622463251622655 (pred)	-0.91 (actual)
Steering angle: 8.432553256845035 (pred)	-0.4 (actual)
Steering angle: 8.243789026300686 (pred)	0.2 (actual)
Steering angle: 8.14100236325481 (pred)	0.71 (actual)
Steering angle: 8.340325212482353 (pred)	1.31 (actual)
Steering angle: 7.829172638018816 (pred)	2.02 (actual)
Steering angle: 8.1145831915452 (pred)	2.42 (actual)
Steering angle: 8.300884285120114 (pred)	2.62 (actual)
Steering angle: 6.574997507808619 (pred)	2.62 (actual)
Steering angle: 6.730222094433621 (pred)	2.7200000000000006 (actual)
Steering angle: 6.418462805523443 (pred)	3.03 (actual)
Steering angle: 5.766358605366116 (pred)	3.3299999999999996 (actual)

Steering angle: 6.403455599256456 (pred)	3.53 (actual)
Steering angle: 7.442384147962871 (pred)	3.7300000000000004 (actual)
Steering angle: 7.8341194025251975 (pred)	3.8299999999999999 (actual)
Steering angle: 8.053459828662756 (pred)	3.9300000000000006 (actual)
Steering angle: 6.849267595911889 (pred)	4.03 (actual)
Steering angle: 8.248433554936293 (pred)	4.13 (actual)
Steering angle: 7.712814389092125 (pred)	4.34 (actual)
Steering angle: 10.877525338183235 (pred)	4.74 (actual)
Steering angle: 9.959060408981511 (pred)	5.04 (actual)
Steering angle: 3.4073730561496762 (pred)	5.24 (actual)
Steering angle: 4.896157927273818 (pred)	5.340000000000001 (actual)
Steering angle: 4.193117164494296 (pred)	5.24 (actual)
Steering angle: 1.8849571873260378 (pred)	5.45 (actual)
Steering angle: 3.2285693758493204 (pred)	5.55 (actual)
Steering angle: 2.4721109842315987 (pred)	5.65 (actual)
Steering angle: 2.8064128856105803 (pred)	5.75 (actual)
Steering angle: 2.2383008023373687 (pred)	5.75 (actual)
Steering angle: 1.898031663501323 (pred)	5.8499999999999999 (actual)
Steering angle: 1.1805036426053817 (pred)	6.150000000000001 (actual)
Steering angle: 1.3841135027541658 (pred)	6.25 (actual)
Steering angle: 1.6112520839331745 (pred)	6.55 (actual)
Steering angle: 2.172509858930867 (pred)	6.76 (actual)
Steering angle: 4.079642962944644 (pred)	6.860000000000001 (actual)
Steering angle: 8.21840292070304 (pred)	6.860000000000001 (actual)
Steering angle: 7.094042792744928 (pred)	6.860000000000001 (actual)
Steering angle: 3.558804113020971 (pred)	6.860000000000001 (actual)
Steering angle: 3.347944007068218 (pred)	6.860000000000001 (actual)
Steering angle: 3.341706977138939 (pred)	6.860000000000001 (actual)
Steering angle: 2.8743502159637586 (pred)	7.06 (actual)
Steering angle: 2.4591639337730165 (pred)	7.36 (actual)
Steering angle: 1.9081213470093128 (pred)	7.5599999999999999 (actual)
Steering angle: 2.3576758604430896 (pred)	7.760000000000002 (actual)
Steering angle: 3.7089037098909365 (pred)	8.17 (actual)
Steering angle: 4.512844722844941 (pred)	8.4699999999999999 (actual)
Steering angle: 4.636785762410815 (pred)	8.87 (actual)
Steering angle: 3.818320352186779 (pred)	9.08 (actual)
Steering angle: 2.7884797970578887 (pred)	9.18 (actual)
Steering angle: 2.658222113170222 (pred)	9.380000000000003 (actual)
Steering angle: 2.9800068391215087 (pred)	9.68 (actual)
Steering angle: 3.117693207505211 (pred)	9.9799999999999999 (actual)
Steering angle: 3.999364334534899 (pred)	0.0 (actual)
Steering angle: 4.030428034880117 (pred)	10.29 (actual)
Steering angle: 4.569043519335805 (pred)	10.59 (actual)
Steering angle: 4.0045373490575376 (pred)	10.79 (actual)
Steering angle: 3.4083785880615487 (pred)	11.089999999999998 (actual)
Steering angle: 2.666906698699893 (pred)	11.290000000000001 (actual)
Steering angle: 2.9317649995702975 (pred)	11.39 (actual)
Steering angle: 3.318789771482842 (pred)	11.6 (actual)

Steering angle: 4.856575700373124 (pred)	11.699999999999998 (actual)
Steering angle: 6.938681175449703 (pred)	11.699999999999998 (actual)
Steering angle: 6.890619268694439 (pred)	11.699999999999998 (actual)
Steering angle: 5.640326674140571 (pred)	11.8 (actual)
Steering angle: 4.409235448890901 (pred)	11.8 (actual)
Steering angle: 5.095546517072123 (pred)	11.8 (actual)
Steering angle: 4.246140776794752 (pred)	11.8 (actual)
Steering angle: 3.7212428735133876 (pred)	0.0 (actual)
Steering angle: 3.3041682574605487 (pred)	11.6 (actual)
Steering angle: 2.5570179195776737 (pred)	11.6 (actual)
Steering angle: 2.069349883358168 (pred)	11.6 (actual)
Steering angle: 2.7302298093819046 (pred)	11.5 (actual)
Steering angle: 3.5751131106550806 (pred)	11.5 (actual)
Steering angle: 3.810194134621756 (pred)	11.5 (actual)
Steering angle: 3.389728756532829 (pred)	11.5 (actual)
Steering angle: 2.864411436947744 (pred)	11.5 (actual)
Steering angle: 2.5788437890704494 (pred)	11.5 (actual)
Steering angle: 2.5189078118865296 (pred)	11.5 (actual)
Steering angle: 2.676842489508146 (pred)	11.5 (actual)
Steering angle: 2.819158445488647 (pred)	11.5 (actual)
Steering angle: 3.037630797271379 (pred)	11.5 (actual)
Steering angle: 3.3959324892899048 (pred)	11.699999999999998 (actual)
Steering angle: 3.5137412996415773 (pred)	12.0 (actual)
Steering angle: 3.135545614448332 (pred)	12.2 (actual)
Steering angle: 2.841837021410617 (pred)	12.300000000000002 (actual)
Steering angle: 2.2112750244520973 (pred)	12.4 (actual)
Steering angle: 2.0708292596437103 (pred)	12.5 (actual)
Steering angle: 1.8480891068467782 (pred)	12.709999999999999 (actual)
Steering angle: 1.826359713776029 (pred)	12.81 (actual)
Steering angle: 1.9297231009199476 (pred)	13.11 (actual)
Steering angle: 2.4008844909062366 (pred)	13.31 (actual)
Steering angle: 3.653639368655894 (pred)	13.41 (actual)
Steering angle: 5.496802628450624 (pred)	13.51 (actual)
Steering angle: 3.407112868630981 (pred)	13.51 (actual)
Steering angle: 3.4010335733828465 (pred)	13.610000000000001 (actual)
Steering angle: 3.0292941245025555 (pred)	13.610000000000001 (actual)
Steering angle: 2.1201611546977737 (pred)	13.610000000000001 (actual)
Steering angle: 1.8803177813323066 (pred)	13.610000000000001 (actual)
Steering angle: 1.328112354862408 (pred)	0.0 (actual)
Steering angle: 1.2160688645004611 (pred)	13.610000000000001 (actual)
Steering angle: 0.6245023385042486 (pred)	13.610000000000001 (actual)
Steering angle: 0.9376180602949086 (pred)	13.82 (actual)
Steering angle: 1.7362144502233776 (pred)	14.22 (actual)
Steering angle: 4.033744091722158 (pred)	14.82 (actual)
Steering angle: 7.400647423265863 (pred)	15.53 (actual)
Steering angle: 10.694073287265862 (pred)	16.03 (actual)
Steering angle: 11.171516316854447 (pred)	16.24 (actual)
Steering angle: 8.722950702239174 (pred)	16.24 (actual)



Steering angle: 7.490627481617964 (pred)	16.24 (actual)
Steering angle: 6.708101246146065 (pred)	16.24 (actual)
Steering angle: 5.222267870517015 (pred)	16.13 (actual)
Steering angle: 2.898435597411339 (pred)	15.929999999999998 (actual)
Steering angle: 4.297996853633959 (pred)	15.63 (actual)
Steering angle: 4.612919373903498 (pred)	15.13 (actual)
Steering angle: 3.1444995655633954 (pred)	14.72 (actual)
Steering angle: 3.293313806208929 (pred)	14.62 (actual)
Steering angle: 3.810607361066542 (pred)	14.62 (actual)
Steering angle: 3.8956709638767038 (pred)	14.62 (actual)
Steering angle: 4.40960129089832 (pred)	14.62 (actual)
Steering angle: 6.354143767883079 (pred)	14.62 (actual)
Steering angle: 6.176674962678638 (pred)	14.62 (actual)
Steering angle: 3.0887148492909624 (pred)	14.62 (actual)
Steering angle: 3.0294924134318975 (pred)	14.62 (actual)
Steering angle: 2.023764560507268 (pred)	14.72 (actual)
Steering angle: 1.1235987753090666 (pred)	14.82 (actual)
Steering angle: 0.4263111662448118 (pred)	14.920000000000002 (actual)
Steering angle: 1.3895691163537136 (pred)	14.920000000000002 (actual)
Steering angle: 2.0213091075006484 (pred)	15.030000000000001 (actual)
Steering angle: 2.2673609093782456 (pred)	15.030000000000001 (actual)
Steering angle: 3.1436543296536064 (pred)	15.030000000000001 (actual)
Steering angle: 7.451183992934786 (pred)	15.030000000000001 (actual)
Steering angle: 9.581883702635066 (pred)	15.13 (actual)
Steering angle: 10.640633887199682 (pred)	15.13 (actual)
Steering angle: 9.550178818281514 (pred)	15.13 (actual)
Steering angle: 4.0953579475643735 (pred)	15.13 (actual)
Steering angle: 2.2454189266695797 (pred)	15.13 (actual)
Steering angle: 1.9667559597129336 (pred)	15.13 (actual)
Steering angle: 2.002579448136004 (pred)	15.13 (actual)
Steering angle: 3.1898537291995726 (pred)	15.13 (actual)
Steering angle: 2.8132114851556818 (pred)	0.0 (actual)
Steering angle: 2.5626583751716345 (pred)	14.920000000000002 (actual)
Steering angle: 2.434813882495098 (pred)	14.82 (actual)
Steering angle: 1.983470713272424 (pred)	14.72 (actual)
Steering angle: 1.4389676057521845 (pred)	14.52 (actual)
Steering angle: 1.4626634529736628 (pred)	14.12 (actual)
Steering angle: 1.0629526718948772 (pred)	13.82 (actual)
Steering angle: 0.6898132476781453 (pred)	13.51 (actual)
Steering angle: 0.692971783282453 (pred)	13.51 (actual)
Steering angle: 1.9412200168403715 (pred)	13.610000000000001 (actual)
Steering angle: 2.732759967582571 (pred)	13.82 (actual)
Steering angle: 2.7324227269923016 (pred)	14.12 (actual)
Steering angle: 2.402292577092317 (pred)	14.420000000000002 (actual)
Steering angle: 2.36747333992065 (pred)	14.52 (actual)
Steering angle: 2.4920308040591177 (pred)	14.62 (actual)
Steering angle: 2.633453285918817 (pred)	14.52 (actual)
Steering angle: 3.412716611958153 (pred)	14.52 (actual)

Steering angle: 3.2711349013134283 (pred)	14.52 (actual)
Steering angle: 2.5609674764652333 (pred)	14.32 (actual)
Steering angle: 2.6083442298693806 (pred)	14.32 (actual)
Steering angle: 2.4277536013274204 (pred)	14.22 (actual)
Steering angle: 1.9869703314484093 (pred)	14.12 (actual)
Steering angle: 0.48193729406245345 (pred)	13.92 (actual)
Steering angle: -0.16625107326634161 (pred)	13.71 (actual)
Steering angle: -0.30784430985529093 (pred)	13.610000000000001 (actual)
Steering angle: 0.20103509227510094 (pred)	13.51 (actual)
Steering angle: 1.534400289496072 (pred)	13.51 (actual)
Steering angle: 2.553262596194636 (pred)	13.51 (actual)
Steering angle: 3.311317117644025 (pred)	13.51 (actual)
Steering angle: 6.935603321454966 (pred)	13.51 (actual)
Steering angle: 7.193189818736833 (pred)	13.51 (actual)
Steering angle: 10.241925009494773 (pred)	13.51 (actual)
Steering angle: 10.140282403134874 (pred)	13.51 (actual)
Steering angle: 10.113664302165688 (pred)	13.51 (actual)
Steering angle: 8.21001203330768 (pred)	13.51 (actual)
Steering angle: 6.323611541632653 (pred)	13.51 (actual)
Steering angle: 6.246122618612036 (pred)	13.51 (actual)
Steering angle: 6.111127771648142 (pred)	13.51 (actual)
Steering angle: 6.326726534781002 (pred)	13.51 (actual)
Steering angle: 6.563349473952808 (pred)	13.51 (actual)
Steering angle: 7.423725778697689 (pred)	13.51 (actual)
Steering angle: 8.505252936597005 (pred)	13.51 (actual)
Steering angle: 8.974433144837166 (pred)	13.51 (actual)
Steering angle: 8.814012491801076 (pred)	13.51 (actual)
Steering angle: 9.123626674425047 (pred)	13.51 (actual)
Steering angle: 8.637762875363483 (pred)	13.51 (actual)
Steering angle: 8.708765253106705 (pred)	13.51 (actual)
Steering angle: 8.270190268763724 (pred)	13.51 (actual)
Steering angle: 6.8728163806228 (pred)	13.51 (actual)
Steering angle: 6.881858697310252 (pred)	13.51 (actual)
Steering angle: 5.015236299037467 (pred)	13.51 (actual)
Steering angle: 6.301825799501252 (pred)	13.51 (actual)
Steering angle: 5.977647519132698 (pred)	13.51 (actual)
Steering angle: 8.900915549932089 (pred)	13.51 (actual)
Steering angle: 10.055435231944037 (pred)	13.51 (actual)
Steering angle: 9.911068084778416 (pred)	13.51 (actual)
Steering angle: 9.719246490806839 (pred)	13.51 (actual)
Steering angle: 9.322981967051149 (pred)	13.51 (actual)
Steering angle: 9.314556928709937 (pred)	13.51 (actual)
Steering angle: 9.222961530619129 (pred)	13.51 (actual)
Steering angle: 8.210971674886066 (pred)	0.0 (actual)
Steering angle: 8.412721802589903 (pred)	13.31 (actual)
Steering angle: 8.369794917430019 (pred)	13.31 (actual)
Steering angle: 7.778706077788884 (pred)	13.21 (actual)
Steering angle: 7.904088714156455 (pred)	13.01 (actual)

Steering angle: 7.575017883908057 (pred)	12.5 (actual)
Steering angle: 7.892457755773569 (pred)	12.100000000000001 (actual)
Steering angle: 7.60587070216265 (pred)	11.899999999999999 (actual)
Steering angle: 6.613726814836707 (pred)	11.6 (actual)
Steering angle: 5.7877584418094115 (pred)	11.6 (actual)
Steering angle: 5.817466776491205 (pred)	11.6 (actual)
Steering angle: 7.705208973451316 (pred)	11.6 (actual)
Steering angle: 6.087245588328369 (pred)	11.6 (actual)
Steering angle: 4.758758426835256 (pred)	11.6 (actual)
Steering angle: 3.982730689471802 (pred)	11.6 (actual)
Steering angle: 3.256471338939057 (pred)	11.6 (actual)
Steering angle: 3.4755641707192027 (pred)	11.699999999999998 (actual)
Steering angle: 3.1851018385279475 (pred)	11.899999999999999 (actual)
Steering angle: 3.240234058291233 (pred)	12.2 (actual)
Steering angle: 5.362544588143445 (pred)	12.4 (actual)
Steering angle: 7.40866777289875 (pred)	12.5 (actual)
Steering angle: 8.647524069461078 (pred)	12.5 (actual)
Steering angle: 8.526401763588302 (pred)	12.61 (actual)
Steering angle: 9.203867736794358 (pred)	12.709999999999999 (actual)
Steering angle: 6.431388938527693 (pred)	12.910000000000002 (actual)
Steering angle: 6.922440693150705 (pred)	13.01 (actual)
Steering angle: 4.4640852830206885 (pred)	13.31 (actual)
Steering angle: 3.7847444228874654 (pred)	13.82 (actual)
Steering angle: 7.576981563294435 (pred)	14.02 (actual)
Steering angle: 8.228697723329542 (pred)	14.02 (actual)
Steering angle: 5.586461667911735 (pred)	14.02 (actual)
Steering angle: 5.336217197100807 (pred)	14.02 (actual)
Steering angle: 4.197654971424124 (pred)	14.02 (actual)
Steering angle: 2.7604901087259996 (pred)	14.02 (actual)
Steering angle: 3.0803986670896486 (pred)	14.02 (actual)
Steering angle: 3.535564607813414 (pred)	14.02 (actual)
Steering angle: 4.071293056684303 (pred)	13.92 (actual)
Steering angle: 3.816740017167567 (pred)	13.82 (actual)
Steering angle: 3.5829298352733367 (pred)	13.82 (actual)
Steering angle: 3.828643329343607 (pred)	13.82 (actual)
Steering angle: 3.6851231256350676 (pred)	13.82 (actual)
Steering angle: 2.593539367956555 (pred)	0.0 (actual)
Steering angle: 2.2994412406927376 (pred)	13.82 (actual)
Steering angle: 2.6026446504504164 (pred)	13.82 (actual)
Steering angle: 2.4737133039222017 (pred)	13.82 (actual)
Steering angle: 4.809760730028211 (pred)	13.82 (actual)
Steering angle: 7.249022346333456 (pred)	13.92 (actual)
Steering angle: 4.961518995649432 (pred)	0.0 (actual)
Steering angle: 10.02372437117496 (pred)	14.32 (actual)
Steering angle: 10.211688615812772 (pred)	14.32 (actual)
Steering angle: 8.779344159121385 (pred)	14.32 (actual)
Steering angle: 6.809822826568243 (pred)	14.32 (actual)
Steering angle: 3.1160492663493535 (pred)	14.32 (actual)

Steering angle: 3.235226248969144 (pred)	14.32 (actual)
Steering angle: 4.5659515780759055 (pred)	14.420000000000002 (actual)
Steering angle: 4.554737261232391 (pred)	14.52 (actual)
Steering angle: 3.8041506978667643 (pred)	14.72 (actual)
Steering angle: 5.974844153365231 (pred)	15.13 (actual)
Steering angle: 3.522339227146154 (pred)	15.230000000000002 (actual)
Steering angle: 3.0787353025833393 (pred)	15.230000000000002 (actual)
Steering angle: 1.9535397571123705 (pred)	15.030000000000001 (actual)
Steering angle: 1.03690659926868 (pred)	14.32 (actual)
Steering angle: 1.4709770738540378 (pred)	13.92 (actual)
Steering angle: 2.2198343186991814 (pred)	13.31 (actual)
Steering angle: 2.6003136349527383 (pred)	12.81 (actual)
Steering angle: 1.3416435999384382 (pred)	11.6 (actual)
Steering angle: 1.9117947081223103 (pred)	9.88 (actual)
Steering angle: 1.7328443921982108 (pred)	8.07 (actual)
Steering angle: 1.8024704868236747 (pred)	7.06 (actual)
Steering angle: 2.070759677091541 (pred)	6.050000000000001 (actual)
Steering angle: 2.1744867718087626 (pred)	5.24 (actual)
Steering angle: 4.637981899289214 (pred)	4.54 (actual)
Steering angle: 4.190624572334065 (pred)	4.03 (actual)
Steering angle: 1.448593476726848 (pred)	3.3299999999999996 (actual)
Steering angle: 0.5615448563862446 (pred)	2.82 (actual)
Steering angle: 0.3715879040580812 (pred)	2.22 (actual)
Steering angle: 0.11242043142676707 (pred)	1.71 (actual)
Steering angle: 2.0041585024947466 (pred)	1.51 (actual)
Steering angle: 4.488737570169381 (pred)	1.21 (actual)
Steering angle: 2.0792414913802273 (pred)	1.11 (actual)
Steering angle: 1.7505879430014346 (pred)	1.11 (actual)
Steering angle: 1.8828031164165449 (pred)	1.11 (actual)
Steering angle: 1.7310521078713172 (pred)	1.11 (actual)
Steering angle: 1.2278174302031177 (pred)	1.11 (actual)
Steering angle: 1.0531822997305855 (pred)	1.11 (actual)
Steering angle: 1.214723103790557 (pred)	1.11 (actual)
Steering angle: 2.1230947209462943 (pred)	1.01 (actual)
Steering angle: 2.164653006951237 (pred)	0.71 (actual)
Steering angle: 2.5677613802552806 (pred)	0.61 (actual)
Steering angle: 4.166029488019673 (pred)	0.4 (actual)
Steering angle: 4.893126177055978 (pred)	0.4 (actual)
Steering angle: 4.260409041970909 (pred)	0.3 (actual)
Steering angle: 3.5863035218365003 (pred)	0.2 (actual)
Steering angle: 4.825582436353723 (pred)	0.1 (actual)
Steering angle: 3.471706181055203 (pred)	0.0 (actual)
Steering angle: 2.4891651128154746 (pred)	0.0 (actual)
Steering angle: 1.928055254101995 (pred)	0.0 (actual)
Steering angle: 2.368798183176221 (pred)	-0.2 (actual)
Steering angle: 2.6385172308581466 (pred)	-0.3 (actual)
Steering angle: 3.4040053460020365 (pred)	-0.3 (actual)
Steering angle: 3.873145426880825 (pred)	-0.3 (actual)

Steering angle: 5.601790746843359 (pred)	-0.3 (actual)
Steering angle: 7.088908624923195 (pred)	-0.3 (actual)
Steering angle: 5.117357872412912 (pred)	-0.3 (actual)
Steering angle: 2.693614659345347 (pred)	-0.4 (actual)
Steering angle: 2.3475249186759815 (pred)	-0.4 (actual)
Steering angle: -0.2728831328149344 (pred)	-0.4 (actual)
Steering angle: -2.2796460718175715 (pred)	-0.4 (actual)
Steering angle: -5.963100923747864 (pred)	-0.4 (actual)
Steering angle: -3.9780652433818604 (pred)	-0.4 (actual)
Steering angle: -2.6010922765181195 (pred)	-0.4 (actual)
Steering angle: 5.485638257365415 (pred)	-0.4 (actual)
Steering angle: 8.709059805014661 (pred)	-0.4 (actual)
Steering angle: 9.17734525847355 (pred)	-0.4 (actual)
Steering angle: 8.756986388646995 (pred)	-0.4 (actual)
Steering angle: 6.995370891787163 (pred)	-0.4 (actual)
Steering angle: 5.982095679829669 (pred)	-0.4 (actual)
Steering angle: 2.2327111462753595 (pred)	-0.5 (actual)
Steering angle: 1.3629838856699084 (pred)	-0.5 (actual)
Steering angle: 0.27438321311139846 (pred)	-0.81 (actual)
Steering angle: 0.1632545412114101 (pred)	-0.81 (actual)
Steering angle: 0.19076056677269768 (pred)	-0.81 (actual)
Steering angle: 0.3493912833594207 (pred)	-0.81 (actual)
Steering angle: 0.4091870282219436 (pred)	-0.81 (actual)
Steering angle: 0.44130193736910883 (pred)	-0.81 (actual)
Steering angle: 0.3863575478079991 (pred)	-0.81 (actual)
Steering angle: 0.608531862120878 (pred)	-0.91 (actual)
Steering angle: 0.37806270994784175 (pred)	-0.91 (actual)
Steering angle: 0.4839677812366513 (pred)	-0.91 (actual)
Steering angle: -0.1279653016474814 (pred)	-0.91 (actual)
Steering angle: -0.14824669461418802 (pred)	-0.91 (actual)
Steering angle: 0.45757251518913705 (pred)	-0.91 (actual)
Steering angle: 0.7258121865855206 (pred)	-0.91 (actual)
Steering angle: 1.6017152188611328 (pred)	-0.91 (actual)
Steering angle: 1.8990115822038083 (pred)	-0.91 (actual)
Steering angle: 0.5526944253257889 (pred)	-0.71 (actual)
Steering angle: -0.26153477350895826 (pred)	-0.71 (actual)
Steering angle: -0.6162738815450873 (pred)	-0.91 (actual)
Steering angle: -0.4179883672977397 (pred)	-1.11 (actual)
Steering angle: -0.4282063302960788 (pred)	-1.11 (actual)
Steering angle: -0.6858449077703679 (pred)	-1.11 (actual)
Steering angle: -1.455550024396506 (pred)	-1.11 (actual)
Steering angle: -1.229260734552106 (pred)	-1.11 (actual)
Steering angle: -0.8521386697190221 (pred)	-1.11 (actual)
Steering angle: -1.2785490871502105 (pred)	-1.11 (actual)
Steering angle: -1.564567954399549 (pred)	-1.11 (actual)
Steering angle: -1.381949186560918 (pred)	-1.11 (actual)
Steering angle: -0.9435931951582003 (pred)	-1.11 (actual)
Steering angle: -0.7423788104173865 (pred)	-1.31 (actual)

Steering angle: -0.6132165181178604 (pred)	-1.41 (actual)
Steering angle: -0.17192098405109846 (pred)	-1.21 (actual)
Steering angle: -0.12320679423009813 (pred)	-0.91 (actual)
Steering angle: -0.12212463613347424 (pred)	-0.81 (actual)
Steering angle: -0.06871255682397452 (pred)	-0.81 (actual)
Steering angle: 0.04459579919489419 (pred)	-0.81 (actual)
Steering angle: 0.28198500021421113 (pred)	-0.61 (actual)
Steering angle: 0.2863889781249884 (pred)	-0.3 (actual)
Steering angle: 0.18670877049099918 (pred)	-0.1 (actual)
Steering angle: 0.13499100498248576 (pred)	-0.1 (actual)
Steering angle: 0.10368077749691262 (pred)	-0.1 (actual)
Steering angle: 0.01330819671094672 (pred)	0.0 (actual)
Steering angle: -0.14591076991804364 (pred)	0.1 (actual)
Steering angle: -0.22190772349183677 (pred)	0.5 (actual)
Steering angle: -0.04060291329478705 (pred)	0.81 (actual)
Steering angle: -0.12942610835621787 (pred)	0.91 (actual)
Steering angle: 0.2180345793456164 (pred)	0.91 (actual)
Steering angle: 0.20430931420847578 (pred)	0.91 (actual)
Steering angle: 0.2985522643763117 (pred)	0.91 (actual)
Steering angle: 0.4371636965057274 (pred)	0.91 (actual)
Steering angle: 0.4972582621444383 (pred)	1.01 (actual)
Steering angle: 0.4803783033843981 (pred)	1.6100000000000003 (actual)
Steering angle: 0.4153852114503186 (pred)	2.22 (actual)
Steering angle: 0.5604458362601072 (pred)	2.7200000000000006 (actual)
Steering angle: 0.8278281054722426 (pred)	2.7200000000000006 (actual)
Steering angle: 0.943907810746844 (pred)	2.52 (actual)
Steering angle: 0.8491167378981146 (pred)	2.32 (actual)
Steering angle: 0.7288003943474012 (pred)	2.02 (actual)
Steering angle: 0.8058310543633934 (pred)	1.92 (actual)
Steering angle: 0.7994629701794144 (pred)	1.92 (actual)
Steering angle: 0.7467663531854735 (pred)	1.92 (actual)
Steering angle: 0.6971648791026062 (pred)	1.92 (actual)
Steering angle: 0.5696629631016279 (pred)	0.0 (actual)
Steering angle: 0.5291189601884322 (pred)	1.71 (actual)
Steering angle: 0.6801481031157541 (pred)	1.51 (actual)
Steering angle: 0.6768175321217267 (pred)	1.41 (actual)
Steering angle: 0.5569069444963943 (pred)	1.31 (actual)
Steering angle: 0.47034134039906433 (pred)	1.31 (actual)
Steering angle: 0.5087105683918456 (pred)	1.31 (actual)
Steering angle: 0.3766221803632037 (pred)	1.31 (actual)
Steering angle: 0.5052079620080985 (pred)	1.31 (actual)
Steering angle: 1.462560786692701 (pred)	1.31 (actual)
Steering angle: 1.2137263230585584 (pred)	1.31 (actual)
Steering angle: 1.166478062588172 (pred)	1.21 (actual)
Steering angle: 1.3178307857274234 (pred)	1.11 (actual)
Steering angle: 0.7611524391248128 (pred)	1.01 (actual)
Steering angle: 0.703192734488554 (pred)	1.01 (actual)
Steering angle: 0.5465393576665497 (pred)	1.01 (actual)

Steering angle: 0.4201554582553378 (pred)	1.01 (actual)
Steering angle: 0.15382802638314624 (pred)	1.01 (actual)
Steering angle: 0.005033849418299398 (pred)	0.71 (actual)
Steering angle: 0.06028837225641005 (pred)	0.2 (actual)
Steering angle: 0.10896627669744467 (pred)	0.0 (actual)
Steering angle: 0.1785590741507046 (pred)	0.0 (actual)
Steering angle: 0.193544295746301 (pred)	-0.1 (actual)
Steering angle: 0.13821784247849367 (pred)	0.0 (actual)
Steering angle: 0.1199404697029511 (pred)	-0.1 (actual)
Steering angle: 0.6359828192819823 (pred)	-0.1 (actual)
Steering angle: 1.3318303256484223 (pred)	-0.1 (actual)
Steering angle: 0.7440662940292028 (pred)	-0.1 (actual)
Steering angle: 0.44261418746339753 (pred)	-0.1 (actual)
Steering angle: 0.5290875840069325 (pred)	0.01 (actual)
Steering angle: 0.18887223291060073 (pred)	0.2 (actual)
Steering angle: -0.1058043259985519 (pred)	0.81 (actual)
Steering angle: -0.2784949869917462 (pred)	1.31 (actual)
Steering angle: -0.33848795356655315 (pred)	1.51 (actual)
Steering angle: -0.09303870243979806 (pred)	1.51 (actual)
Steering angle: -0.06870401908751202 (pred)	1.51 (actual)
Steering angle: 0.6616073411703429 (pred)	1.6100000000000003 (actual)
Steering angle: 0.6424648822477359 (pred)	1.71 (actual)
Steering angle: 2.594212568476624 (pred)	1.71 (actual)
Steering angle: 1.8149714405520905 (pred)	1.71 (actual)
Steering angle: 1.1199550828302764 (pred)	1.71 (actual)
Steering angle: 0.9931748190037922 (pred)	1.6100000000000003 (actual)
Steering angle: 0.5985294769682173 (pred)	1.6100000000000003 (actual)
Steering angle: 0.6175532613539954 (pred)	1.6100000000000003 (actual)
Steering angle: 0.6933154271750693 (pred)	1.6100000000000003 (actual)
Steering angle: 0.03298042218105282 (pred)	1.6100000000000003 (actual)
Steering angle: -0.664999170423489 (pred)	1.6100000000000003 (actual)
Steering angle: -1.382393575743792 (pred)	1.71 (actual)
Steering angle: -1.6545215457686169 (pred)	1.71 (actual)
Steering angle: -1.5916492275718264 (pred)	1.71 (actual)
Steering angle: -0.24760631024400975 (pred)	1.71 (actual)
Steering angle: 0.35432737569522427 (pred)	1.71 (actual)
Steering angle: 1.3120910789470854 (pred)	2.02 (actual)
Steering angle: 1.6999408096453208 (pred)	2.52 (actual)
Steering angle: 2.7822348697223815 (pred)	0.0 (actual)
Steering angle: 2.2816543608769666 (pred)	3.23 (actual)
Steering angle: 2.0544306157767442 (pred)	3.3299999999999996 (actual)
Steering angle: 1.087954579351709 (pred)	3.53 (actual)
Steering angle: 0.5102625154373195 (pred)	3.8299999999999999 (actual)
Steering angle: 0.25017937057040046 (pred)	4.03 (actual)
Steering angle: -0.02822703740554707 (pred)	4.03 (actual)
Steering angle: 0.36430500141214356 (pred)	4.03 (actual)
Steering angle: 0.7593526842785144 (pred)	4.03 (actual)
Steering angle: 1.2045668259381597 (pred)	4.03 (actual)

Steering angle: 2.2032862644441216 (pred)	4.13 (actual)
Steering angle: 1.1767173699276674 (pred)	0.0 (actual)
Steering angle: 1.1786789148799304 (pred)	4.13 (actual)
Steering angle: 0.9023219905418098 (pred)	4.13 (actual)
Steering angle: 0.6059346826889805 (pred)	4.24 (actual)
Steering angle: 0.5697474866926068 (pred)	4.24 (actual)
Steering angle: 0.452154681073436 (pred)	4.24 (actual)
Steering angle: 0.46986642880833684 (pred)	4.24 (actual)
Steering angle: 0.34510832786299955 (pred)	4.24 (actual)
Steering angle: 0.418678216403911 (pred)	4.24 (actual)
Steering angle: 0.3993908294048528 (pred)	4.24 (actual)
Steering angle: 0.27247630967249553 (pred)	4.24 (actual)
Steering angle: 0.2754173464404207 (pred)	4.24 (actual)
Steering angle: 0.5898064716244649 (pred)	4.24 (actual)
Steering angle: 0.5039300763030714 (pred)	4.24 (actual)
Steering angle: 0.06410900932338594 (pred)	4.44 (actual)
Steering angle: -0.2824821099197411 (pred)	4.44 (actual)
Steering angle: -0.3055860785609555 (pred)	4.44 (actual)
Steering angle: 0.027066759020291153 (pred)	4.44 (actual)
Steering angle: 0.125980491363358 (pred)	4.44 (actual)
Steering angle: 0.5396050081116942 (pred)	4.44 (actual)
Steering angle: 1.0826599020844796 (pred)	4.44 (actual)
Steering angle: 0.9927216786410442 (pred)	4.44 (actual)
Steering angle: 1.4626982442497476 (pred)	4.34 (actual)
Steering angle: 1.1627410953385289 (pred)	4.34 (actual)
Steering angle: 0.6286533859723239 (pred)	4.34 (actual)
Steering angle: 0.5275990296546927 (pred)	4.34 (actual)
Steering angle: 0.40853773336396926 (pred)	4.34 (actual)
Steering angle: 0.4777183715895012 (pred)	0.0 (actual)
Steering angle: 0.16894024680862257 (pred)	3.9300000000000006 (actual)
Steering angle: 0.15447732124112057 (pred)	3.7300000000000004 (actual)
Steering angle: -0.05007467812630223 (pred)	3.3299999999999996 (actual)
Steering angle: 0.3862890324728874 (pred)	2.92 (actual)
Steering angle: 0.7720572630215613 (pred)	2.7200000000000006 (actual)
Steering angle: 0.6403765519090046 (pred)	2.7200000000000006 (actual)
Steering angle: 0.5972174403173403 (pred)	2.52 (actual)
Steering angle: 1.5308616111757707 (pred)	2.42 (actual)
Steering angle: 0.9594898201211703 (pred)	2.32 (actual)
Steering angle: 0.37585293030793104 (pred)	1.92 (actual)
Steering angle: 0.225008415931611 (pred)	1.51 (actual)
Steering angle: 0.9779146822941028 (pred)	1.31 (actual)
Steering angle: 1.916466557514599 (pred)	1.21 (actual)
Steering angle: 1.570043845123195 (pred)	1.01 (actual)
Steering angle: 1.2015615427033541 (pred)	0.91 (actual)
Steering angle: 0.8965566705520843 (pred)	0.61 (actual)
Steering angle: 1.131266089539229 (pred)	0.3 (actual)
Steering angle: 5.780941913017739 (pred)	0.2 (actual)
Steering angle: 2.4405264819621673 (pred)	0.2 (actual)



Steering angle: 3.7039424312325684 (pred)	0.2 (actual)
Steering angle: 1.5673875418662948 (pred)	0.2 (actual)
Steering angle: -0.10187952854673332 (pred)	0.2 (actual)
Steering angle: -0.3748463311790004 (pred)	0.2 (actual)
Steering angle: -2.3437999042573856 (pred)	0.1 (actual)
Steering angle: 6.665610639319416 (pred)	0.0 (actual)
Steering angle: 12.932415924511897 (pred)	0.0 (actual)
Steering angle: 17.140323863653855 (pred)	0.0 (actual)
Steering angle: 17.774484729974738 (pred)	0.0 (actual)
Steering angle: 9.864497293696331 (pred)	0.0 (actual)
Steering angle: 8.492786987588085 (pred)	0.0 (actual)
Steering angle: 4.148020413612464 (pred)	0.0 (actual)
Steering angle: 4.115361437209225 (pred)	0.0 (actual)
Steering angle: 3.044720320186441 (pred)	0.0 (actual)
Steering angle: 2.5176420924559615 (pred)	0.0 (actual)
Steering angle: 1.6419147241080658 (pred)	0.0 (actual)
Steering angle: 7.4031131215562365 (pred)	-0.1 (actual)
Steering angle: 6.411159198866584 (pred)	-0.1 (actual)
Steering angle: 6.351155133234376 (pred)	-0.1 (actual)
Steering angle: 4.83541363989031 (pred)	-0.1 (actual)
Steering angle: 3.5836162692849234 (pred)	-0.1 (actual)
Steering angle: -2.6490094686403443 (pred)	-0.1 (actual)
Steering angle: -1.0753714499098412 (pred)	-0.1 (actual)
Steering angle: -1.6837184700363057 (pred)	-0.2 (actual)
Steering angle: -1.784263977260771 (pred)	-0.2 (actual)
Steering angle: -2.783566756610534 (pred)	-0.2 (actual)
Steering angle: 12.986643357653566 (pred)	-0.1 (actual)
Steering angle: 4.058821985033506 (pred)	0.0 (actual)
Steering angle: 8.774654380482525 (pred)	-0.3 (actual)
Steering angle: 8.104275582314004 (pred)	-0.3 (actual)
Steering angle: 4.836352790901186 (pred)	-0.3 (actual)
Steering angle: 7.016431353206074 (pred)	-0.3 (actual)
Steering angle: 4.395245513923423 (pred)	-0.3 (actual)
Steering angle: 4.01908778642378 (pred)	-0.3 (actual)
Steering angle: 3.3886425430113856 (pred)	-0.3 (actual)
Steering angle: 2.0986110540927374 (pred)	0.0 (actual)
Steering angle: 1.944155504079596 (pred)	0.0 (actual)
Steering angle: 1.371693657522144 (pred)	0.0 (actual)
Steering angle: 0.9598776467999801 (pred)	0.0 (actual)
Steering angle: 0.865313464297742 (pred)	0.0 (actual)
Steering angle: 0.9298320715279171 (pred)	0.0 (actual)
Steering angle: 0.8884135909575482 (pred)	0.0 (actual)
Steering angle: 1.3024161159877623 (pred)	0.0 (actual)
Steering angle: 1.5820385110793838 (pred)	0.0 (actual)
Steering angle: 1.3729156210533415 (pred)	0.0 (actual)
Steering angle: 2.2280320398070774 (pred)	0.0 (actual)
Steering angle: 4.421805985171487 (pred)	0.0 (actual)
Steering angle: 3.4357717020581195 (pred)	0.0 (actual)

Steering angle: 3.1460372119002944 (pred)	0.0 (actual)
Steering angle: 3.182129852465346 (pred)	0.3 (actual)
Steering angle: 3.849045958168081 (pred)	0.4 (actual)
Steering angle: 3.692097602551297 (pred)	0.4 (actual)
Steering angle: 8.235099318129135 (pred)	0.4 (actual)
Steering angle: 7.773807124606693 (pred)	0.4 (actual)
Steering angle: 7.997973933166511 (pred)	0.2 (actual)
Steering angle: 8.437327559074873 (pred)	0.2 (actual)
Steering angle: 5.033375573925728 (pred)	0.2 (actual)
Steering angle: 9.592261321305255 (pred)	0.2 (actual)
Steering angle: 8.937184708198503 (pred)	0.0 (actual)
Steering angle: 8.392724716247399 (pred)	0.2 (actual)
Steering angle: 10.190325491636266 (pred)	0.2 (actual)
Steering angle: 4.750682581915362 (pred)	0.1 (actual)
Steering angle: 2.7167130784578606 (pred)	0.1 (actual)
Steering angle: 2.812468702083443 (pred)	-0.2 (actual)
Steering angle: 2.3873794993698287 (pred)	-0.2 (actual)
Steering angle: 3.6914197062761733 (pred)	-0.4 (actual)
Steering angle: 2.4211285312759196 (pred)	-0.4 (actual)
Steering angle: 3.1485231873147677 (pred)	-0.4 (actual)
Steering angle: 2.5837630193767396 (pred)	-0.4 (actual)
Steering angle: 1.8471128166822894 (pred)	-0.4 (actual)
Steering angle: 1.867004035092659 (pred)	-0.4 (actual)
Steering angle: 1.4951898810183213 (pred)	-0.4 (actual)
Steering angle: -2.3518625156857627 (pred)	-0.2 (actual)
Steering angle: -2.460690054165691 (pred)	0.0 (actual)
Steering angle: -1.6617594118547148 (pred)	0.3 (actual)
Steering angle: -6.012262917846323 (pred)	0.4 (actual)
Steering angle: -9.788937472229419 (pred)	0.4 (actual)
Steering angle: -6.730520488322986 (pred)	0.4 (actual)
Steering angle: -0.7706532322603006 (pred)	0.4 (actual)
Steering angle: -0.23910613982192888 (pred)	0.2 (actual)
Steering angle: 0.08436222775976625 (pred)	0.1 (actual)
Steering angle: 0.7166889748450876 (pred)	0.1 (actual)
Steering angle: 1.5297058151021576 (pred)	0.1 (actual)
Steering angle: 1.473063483202065 (pred)	0.1 (actual)
Steering angle: 1.2865378471581868 (pred)	0.1 (actual)
Steering angle: 0.8395258716429472 (pred)	0.0 (actual)
Steering angle: 0.19879863220874489 (pred)	0.1 (actual)
Steering angle: 0.09377444187945537 (pred)	0.1 (actual)
Steering angle: 0.42064104201664343 (pred)	0.1 (actual)
Steering angle: 0.7960173531865545 (pred)	0.1 (actual)
Steering angle: 1.2299313737512367 (pred)	0.1 (actual)
Steering angle: 1.1378687480325158 (pred)	0.1 (actual)
Steering angle: 0.9098845040568949 (pred)	0.0 (actual)
Steering angle: 1.0017531097145052 (pred)	-0.2 (actual)
Steering angle: 0.6433436287731404 (pred)	-0.5 (actual)
Steering angle: 0.8824454997268381 (pred)	-0.61 (actual)

Steering angle: 1.0982269704199965 (pred)	-0.61 (actual)
Steering angle: 0.4466333269031269 (pred)	0.0 (actual)
Steering angle: 0.44832059707153166 (pred)	-0.61 (actual)
Steering angle: 0.2559914346672582 (pred)	-0.61 (actual)
Steering angle: 0.31387408623194285 (pred)	-0.61 (actual)
Steering angle: 0.3675954450447972 (pred)	-0.4 (actual)
Steering angle: 0.21717120074584448 (pred)	-0.1 (actual)
Steering angle: 0.19195969185885806 (pred)	0.1 (actual)
Steering angle: 0.08399638575234744 (pred)	0.2 (actual)
Steering angle: 0.04107334257387168 (pred)	0.4 (actual)
Steering angle: -0.06560140565703372 (pred)	0.61 (actual)
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Steering angle: -0.3107428713843151 (pred)	0.81 (actual)
Steering angle: -0.5011728143125018 (pred)	0.91 (actual)
Steering angle: -0.9265066231757672 (pred)	1.01 (actual)
Steering angle: -1.0811147852281757 (pred)	1.11 (actual)
Steering angle: -0.9460563321276362 (pred)	1.11 (actual)
Steering angle: -1.4008717987696153 (pred)	1.21 (actual)
Steering angle: -1.6461985333781333 (pred)	1.21 (actual)
Steering angle: -2.512327138064634 (pred)	1.21 (actual)
Steering angle: -1.0523502973123133 (pred)	1.21 (actual)
Steering angle: -0.8975965668532188 (pred)	1.21 (actual)
Steering angle: -0.49495819594143653 (pred)	1.21 (actual)
Steering angle: -0.3312394153098771 (pred)	1.21 (actual)
Steering angle: -0.29964680219080625 (pred)	1.51 (actual)
Steering angle: -0.1431731447213379 (pred)	2.02 (actual)
Steering angle: -0.36986883082135363 (pred)	2.42 (actual)
Steering angle: -0.3986013022254816 (pred)	2.7200000000000006 (actual)
Steering angle: -0.4068188735706532 (pred)	2.82 (actual)
Steering angle: -0.5315769745159905 (pred)	3.03 (actual)
Steering angle: -0.8545638137611997 (pred)	3.8299999999999999 (actual)
Steering angle: -1.0120376670572517 (pred)	4.64 (actual)
Steering angle: -0.9649546117874152 (pred)	5.55 (actual)
Steering angle: -0.6199959077559212 (pred)	6.35 (actual)
Steering angle: -0.17983461197820447 (pred)	6.55 (actual)
Steering angle: -0.34107787592245736 (pred)	6.6599999999999999 (actual)
Steering angle: 0.07564007618965995 (pred)	6.6599999999999999 (actual)
Steering angle: 0.1767021164701074 (pred)	6.6599999999999999 (actual)
Steering angle: 0.2913214419227954 (pred)	6.6599999999999999 (actual)
Steering angle: 0.40855843737489084 (pred)	6.55 (actual)
Steering angle: 0.025247367380129008 (pred)	6.1500000000000001 (actual)
Steering angle: -0.01909123250383189 (pred)	6.0500000000000001 (actual)
Steering angle: -0.1441805976239148 (pred)	5.55 (actual)
Steering angle: -0.09875557077509874 (pred)	4.74 (actual)
Steering angle: 0.0002219811480254144 (pred)	4.13 (actual)
Steering angle: 0.35343069992324855 (pred)	3.9300000000000006 (actual)
Steering angle: 0.38910072253340544 (pred)	3.7300000000000004 (actual)
Steering angle: 0.4331279084798961 (pred)	3.53 (actual)

Steering angle: 0.699456621012557 (pred)	3.03 (actual)
Steering angle: 0.9445946716452535 (pred)	2.7200000000000006 (actual)
Steering angle: 0.8503596188836453 (pred)	2.42 (actual)
Steering angle: 1.4867678308848724 (pred)	2.22 (actual)
Steering angle: 1.794344269258652 (pred)	2.02 (actual)
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Steering angle: 2.1876442774711458 (pred)	1.71 (actual)
Steering angle: 2.723309547092212 (pred)	1.6100000000000003 (actual)
Steering angle: 1.7532634561653755 (pred)	1.6100000000000003 (actual)
Steering angle: 2.109106493526108 (pred)	1.6100000000000003 (actual)
Steering angle: 2.261150773318823 (pred)	1.6100000000000003 (actual)
Steering angle: 3.039067057987786 (pred)	1.51 (actual)
Steering angle: 2.3039446832333033 (pred)	1.41 (actual)
Steering angle: 2.798019010007458 (pred)	1.31 (actual)
Steering angle: 3.27809742539861 (pred)	1.31 (actual)
Steering angle: 6.608231500762608 (pred)	1.31 (actual)
Steering angle: 5.4050215345917545 (pred)	1.31 (actual)
Steering angle: 4.456192572547916 (pred)	1.31 (actual)
Steering angle: 5.405141489789052 (pred)	1.31 (actual)
Steering angle: 6.156622807935951 (pred)	1.31 (actual)
Steering angle: 9.648673561207683 (pred)	1.21 (actual)
Steering angle: 12.68167711875979 (pred)	1.21 (actual)
Steering angle: 18.259281311978487 (pred)	0.91 (actual)
Steering angle: 21.7932860753402 (pred)	0.4 (actual)
Steering angle: 15.629185490923556 (pred)	-0.1 (actual)
Steering angle: 15.54158660727085 (pred)	-0.4 (actual)
Steering angle: 9.507127282169277 (pred)	-0.4 (actual)
Steering angle: 8.59437580620827 (pred)	-0.4 (actual)
Steering angle: 7.4791459336231725 (pred)	-0.5 (actual)
Steering angle: 3.3144914480607883 (pred)	-0.5 (actual)
Steering angle: 4.644339097859203 (pred)	-0.61 (actual)
Steering angle: 4.918052098658293 (pred)	-0.61 (actual)
Steering angle: 4.887393087021399 (pred)	-0.61 (actual)
Steering angle: 3.7967604331848106 (pred)	-0.61 (actual)
Steering angle: 3.984656802817746 (pred)	-0.61 (actual)
Steering angle: 7.769025992187684 (pred)	-0.61 (actual)
Steering angle: 1.987875331513436 (pred)	-0.61 (actual)
Steering angle: 2.351537441369952 (pred)	-0.61 (actual)
Steering angle: 3.5483216936357054 (pred)	-0.61 (actual)
Steering angle: 3.6935276734087683 (pred)	-0.61 (actual)
Steering angle: 4.06922094804485 (pred)	-0.61 (actual)
Steering angle: 3.067106478634569 (pred)	-0.5 (actual)
Steering angle: 4.028961251755857 (pred)	-0.5 (actual)
Steering angle: 7.007908130895544 (pred)	-0.5 (actual)
Steering angle: 9.351454464379993 (pred)	-0.5 (actual)
Steering angle: 7.350244896059399 (pred)	-0.5 (actual)
Steering angle: 4.198606929039695 (pred)	-0.5 (actual)
Steering angle: 3.969726009292098 (pred)	-0.5 (actual)

Steering angle: 2.917220325176167 (pred)	-0.4 (actual)
Steering angle: 2.920163282934796 (pred)	0.0 (actual)
Steering angle: 4.615752194861761 (pred)	0.0 (actual)
Steering angle: 4.74561543532486 (pred)	0.0 (actual)
Steering angle: 8.758277294400127 (pred)	0.0 (actual)
Steering angle: 10.12307288774738 (pred)	0.1 (actual)
Steering angle: 9.702473253752581 (pred)	0.1 (actual)
Steering angle: 11.89653662838307 (pred)	0.1 (actual)
Steering angle: 10.613342158823604 (pred)	0.1 (actual)
Steering angle: 9.492298087707534 (pred)	0.1 (actual)
Steering angle: 8.525626537117507 (pred)	0.1 (actual)
Steering angle: 8.331606476006831 (pred)	0.1 (actual)
Steering angle: 9.060163971751875 (pred)	0.1 (actual)
Steering angle: 9.216629945258527 (pred)	0.1 (actual)
Steering angle: 9.1743502205225 (pred)	0.2 (actual)
Steering angle: 9.280055081891264 (pred)	0.5 (actual)
Steering angle: 8.380800059730202 (pred)	1.01 (actual)
Steering angle: 6.53602359463088 (pred)	1.11 (actual)
Steering angle: 7.502430902277392 (pred)	1.21 (actual)
Steering angle: 10.502232910274067 (pred)	1.21 (actual)
Steering angle: 8.664436471619675 (pred)	1.21 (actual)
Steering angle: 8.872274005421286 (pred)	1.21 (actual)
Steering angle: 8.801253698431493 (pred)	1.21 (actual)
Steering angle: 9.352469601245385 (pred)	1.21 (actual)
Steering angle: 8.493296690454898 (pred)	1.21 (actual)
Steering angle: 7.578361261506778 (pred)	1.21 (actual)
Steering angle: 5.748737997967952 (pred)	1.11 (actual)
Steering angle: 6.369814783160027 (pred)	0.91 (actual)
Steering angle: 5.51593398831583 (pred)	0.91 (actual)
Steering angle: 1.8824863663937856 (pred)	0.81 (actual)
Steering angle: 1.6522936234387233 (pred)	0.81 (actual)
Steering angle: 2.865499571459891 (pred)	0.81 (actual)
Steering angle: 3.902037980843625 (pred)	0.81 (actual)
Steering angle: 4.178927446493595 (pred)	0.81 (actual)
Steering angle: 7.397218668302516 (pred)	0.81 (actual)
Steering angle: 8.264682574971754 (pred)	0.81 (actual)
Steering angle: 8.116033752970182 (pred)	0.81 (actual)
Steering angle: 2.8982817047116023 (pred)	0.81 (actual)
Steering angle: 2.94312381760344 (pred)	0.81 (actual)
Steering angle: 1.531923492148296 (pred)	0.81 (actual)
Steering angle: 3.4709973354854027 (pred)	0.81 (actual)
Steering angle: 5.026835240908618 (pred)	0.91 (actual)
Steering angle: 4.169416834961176 (pred)	1.21 (actual)
Steering angle: 5.281708445542698 (pred)	1.41 (actual)
Steering angle: 10.030230980133044 (pred)	1.6100000000000003 (actual)
Steering angle: 9.782657967061239 (pred)	1.6100000000000003 (actual)
Steering angle: 7.887760293171893 (pred)	1.6100000000000003 (actual)
Steering angle: 5.126887693852373 (pred)	1.71 (actual)

Steering angle: 4.583632376516129 (pred)	1.6100000000000003 (actual)
Steering angle: 3.2881124037125526 (pred)	1.71 (actual)
Steering angle: 2.6301530238892314 (pred)	1.71 (actual)
Steering angle: 3.480379667527473 (pred)	1.92 (actual)
Steering angle: 2.886443706219501 (pred)	2.12 (actual)
Steering angle: 2.34658790209922 (pred)	2.12 (actual)
Steering angle: 2.0587393979259647 (pred)	2.12 (actual)
Steering angle: 1.692335607447923 (pred)	2.12 (actual)
Steering angle: 0.8077413728968814 (pred)	2.12 (actual)
Steering angle: 0.5805389721378154 (pred)	2.12 (actual)
Steering angle: 0.1733681303814949 (pred)	2.12 (actual)
Steering angle: 0.048255713372963215 (pred)	2.12 (actual)
Steering angle: 0.03972779530737917 (pred)	2.12 (actual)
Steering angle: 0.02961143137294403 (pred)	2.12 (actual)
Steering angle: -0.006142474497957092 (pred)	2.22 (actual)
Steering angle: -0.15686212447851283 (pred)	2.62 (actual)
Steering angle: -0.2982039247286411 (pred)	2.7200000000000006 (actual)
Steering angle: -0.9564766394801368 (pred)	2.62 (actual)
Steering angle: -1.199632227706237 (pred)	2.42 (actual)
Steering angle: -1.6410754646138006 (pred)	1.92 (actual)
Steering angle: -1.2719596621484408 (pred)	1.71 (actual)
Steering angle: -1.3209406562338948 (pred)	1.71 (actual)
Steering angle: -1.485473083150332 (pred)	1.71 (actual)
Steering angle: -0.5685060998109569 (pred)	1.71 (actual)
Steering angle: -0.683945261407458 (pred)	1.71 (actual)
Steering angle: 0.02824923552034961 (pred)	1.71 (actual)
Steering angle: 0.2123403360119414 (pred)	1.71 (actual)
Steering angle: -0.08280964038405772 (pred)	1.6100000000000003 (actual)
Steering angle: -0.30112938012752216 (pred)	1.82 (actual)
Steering angle: -0.21734131514486013 (pred)	2.02 (actual)
Steering angle: 0.20656178253069907 (pred)	0.0 (actual)
Steering angle: 0.28753986500013556 (pred)	2.12 (actual)
Steering angle: 0.32590909299291687 (pred)	2.42 (actual)
Steering angle: 0.1067385678109627 (pred)	2.42 (actual)
Steering angle: 0.1152276391756423 (pred)	2.42 (actual)
Steering angle: 0.07980371681901742 (pred)	2.42 (actual)
Steering angle: 0.06909846251208025 (pred)	2.82 (actual)
Steering angle: 0.05562548748740697 (pred)	3.13 (actual)
Steering angle: -0.02425784372412341 (pred)	3.23 (actual)
Steering angle: -0.141741366316574 (pred)	3.03 (actual)
Steering angle: -0.17801991609309673 (pred)	2.52 (actual)
Steering angle: -0.2598767450879377 (pred)	2.32 (actual)
Steering angle: -0.26038175219969545 (pred)	2.32 (actual)
Steering angle: -0.050921621583383814 (pred)	2.32 (actual)
Steering angle: 0.1916096446638949 (pred)	2.32 (actual)
Steering angle: 0.24186703035049498 (pred)	2.32 (actual)
Steering angle: 0.0287124077234411 (pred)	1.92 (actual)
Steering angle: -0.026463141052391278 (pred)	1.92 (actual)

Steering angle: -0.06321510831576051 (pred)	1.92 (actual)
Steering angle: -0.017299161620349796 (pred)	1.92 (actual)
Steering angle: -0.05890013630760496 (pred)	1.92 (actual)
Steering angle: 0.1520545250764701 (pred)	1.92 (actual)
Steering angle: 0.23089433144886948 (pred)	1.92 (actual)
Steering angle: 1.0007631591716764 (pred)	1.92 (actual)
Steering angle: 0.5395655210805551 (pred)	1.92 (actual)
Steering angle: 0.5645456573094073 (pred)	1.92 (actual)
Steering angle: 0.6936302562071246 (pred)	1.92 (actual)
Steering angle: 1.3751640339507452 (pred)	1.92 (actual)
Steering angle: 1.528478942372494 (pred)	1.92 (actual)
Steering angle: 2.2632474279506054 (pred)	1.92 (actual)
Steering angle: 2.156533619575384 (pred)	1.92 (actual)
Steering angle: 1.0882580958829513 (pred)	1.82 (actual)
Steering angle: 1.248224541339235 (pred)	1.82 (actual)
Steering angle: 1.5074912651569259 (pred)	1.82 (actual)
Steering angle: 1.3769358277101287 (pred)	1.82 (actual)
Steering angle: 1.1860674720145916 (pred)	1.71 (actual)
Steering angle: 1.250677859911739 (pred)	1.51 (actual)
Steering angle: 1.1409952671250891 (pred)	1.31 (actual)
Steering angle: 1.5214231435164594 (pred)	1.01 (actual)
Steering angle: 1.6829620265857268 (pred)	1.01 (actual)
Steering angle: 1.8585339601916087 (pred)	0.91 (actual)
Steering angle: 2.0613190749981136 (pred)	0.81 (actual)
Steering angle: 1.7407464941810926 (pred)	0.5 (actual)
Steering angle: 1.415038037995045 (pred)	0.2 (actual)
Steering angle: 1.3263185764316336 (pred)	-0.1 (actual)
Steering angle: 1.6778344755097514 (pred)	-0.2 (actual)
Steering angle: 1.8260049708260113 (pred)	-0.3 (actual)
Steering angle: 1.4266807357655662 (pred)	-0.3 (actual)
Steering angle: 1.3490287419785143 (pred)	-0.71 (actual)
Steering angle: 1.7209575151648615 (pred)	-0.91 (actual)
Steering angle: 1.3994874048022183 (pred)	-1.01 (actual)
Steering angle: 0.3671339803889982 (pred)	-1.11 (actual)
Steering angle: 0.08215010024232837 (pred)	-1.21 (actual)
Steering angle: 0.07378632016023619 (pred)	-1.21 (actual)
Steering angle: -0.2462586285434016 (pred)	-1.21 (actual)
Steering angle: -0.008920653942859779 (pred)	-1.21 (actual)
Steering angle: 0.42430479817612055 (pred)	-1.21 (actual)
Steering angle: 0.4376230267274107 (pred)	-1.21 (actual)
Steering angle: 0.6569205507392448 (pred)	-1.21 (actual)
Steering angle: 0.4920135306355148 (pred)	-1.31 (actual)
Steering angle: -0.03225001882668458 (pred)	-1.31 (actual)
Steering angle: -0.2533705630166774 (pred)	-1.31 (actual)
Steering angle: -1.3895379536156254 (pred)	-1.41 (actual)
Steering angle: -0.2660533705317448 (pred)	-1.41 (actual)
Steering angle: -0.3627897666334585 (pred)	-1.41 (actual)
Steering angle: -1.2844845215389518 (pred)	-1.41 (actual)

Steering angle: -1.916748302817862 (pred)	-1.41 (actual)
Steering angle: -3.034386243972212 (pred)	-1.41 (actual)
Steering angle: -2.8138723059578807 (pred)	-1.41 (actual)
Steering angle: -1.564578199683304 (pred)	-1.41 (actual)
Steering angle: -1.0983021025008666 (pred)	-1.41 (actual)
Steering angle: 0.5256767582901573 (pred)	-1.41 (actual)
Steering angle: 0.8842518713188948 (pred)	-1.51 (actual)
Steering angle: 1.0282839123283618 (pred)	-1.6100000000000003 (actual)
Steering angle: 0.6074699811483525 (pred)	-1.6100000000000003 (actual)
Steering angle: 0.5744295813686505 (pred)	-1.71 (actual)
Steering angle: 0.9371305555428988 (pred)	-1.71 (actual)
Steering angle: 1.1292569467061875 (pred)	-1.71 (actual)
Steering angle: 1.5784385744999638 (pred)	-1.71 (actual)
Steering angle: 1.425189620092388 (pred)	-1.71 (actual)
Steering angle: 1.1997613609702327 (pred)	-1.71 (actual)
Steering angle: 2.115208413775868 (pred)	-1.71 (actual)
Steering angle: 2.2485546238288503 (pred)	-1.71 (actual)
Steering angle: 2.0473118511142987 (pred)	-1.92 (actual)
Steering angle: 2.110958115121416 (pred)	-2.12 (actual)
Steering angle: 1.3621666108470338 (pred)	-2.12 (actual)
Steering angle: 1.8593315982206193 (pred)	-2.12 (actual)
Steering angle: 1.399306831676036 (pred)	-2.12 (actual)
Steering angle: 1.591912616741695 (pred)	-2.12 (actual)
Steering angle: 1.5056123228049376 (pred)	-2.12 (actual)
Steering angle: 0.31503265706990624 (pred)	-2.12 (actual)
Steering angle: 0.5028067236280158 (pred)	-2.12 (actual)
Steering angle: 1.005396588749884 (pred)	-2.12 (actual)
Steering angle: 2.7745203844982638 (pred)	-2.12 (actual)
Steering angle: 2.4789264458062137 (pred)	-2.02 (actual)
Steering angle: 2.741741452897726 (pred)	-2.02 (actual)
Steering angle: 5.937757079945708 (pred)	-2.02 (actual)
Steering angle: 6.063973853165666 (pred)	-1.92 (actual)
Steering angle: 11.8928286894374 (pred)	-1.71 (actual)
Steering angle: 13.293837091990413 (pred)	-1.21 (actual)
Steering angle: 11.875321207047364 (pred)	-0.71 (actual)
Steering angle: 10.282830158660333 (pred)	-0.5 (actual)
Steering angle: 10.91810093072134 (pred)	-0.3 (actual)
Steering angle: 13.783122815826156 (pred)	0.0 (actual)
Steering angle: 17.683086553596212 (pred)	0.5 (actual)
Steering angle: 16.69567342604415 (pred)	1.11 (actual)
Steering angle: 15.021708466142622 (pred)	1.71 (actual)
Steering angle: 10.312581608911263 (pred)	2.02 (actual)
Steering angle: 6.116531305055268 (pred)	2.02 (actual)
Steering angle: 10.36226782002852 (pred)	2.12 (actual)
Steering angle: 8.748632213518423 (pred)	2.12 (actual)
Steering angle: 12.803817122818897 (pred)	2.12 (actual)
Steering angle: 9.699923885644873 (pred)	2.12 (actual)
Steering angle: 6.537816946174831 (pred)	2.22 (actual)



Steering angle: 3.731435223302339 (pred)	0.0 (actual)
Steering angle: 0.21720812645604487 (pred)	2.32 (actual)
Steering angle: -0.1427360126144571 (pred)	2.32 (actual)
Steering angle: -1.1600525621264826 (pred)	2.32 (actual)
Steering angle: -4.545449911508466 (pred)	0.0 (actual)
Steering angle: -3.3412316386613883 (pred)	2.22 (actual)
Steering angle: -6.314223873505294 (pred)	2.12 (actual)
Steering angle: -7.414924226178481 (pred)	2.02 (actual)
Steering angle: -9.045257937661967 (pred)	2.02 (actual)
Steering angle: 15.461154299604779 (pred)	2.02 (actual)
Steering angle: 25.28884370386391 (pred)	2.02 (actual)
Steering angle: 29.9115703756419 (pred)	2.02 (actual)
Steering angle: 27.31189450960291 (pred)	2.02 (actual)
Steering angle: 10.943820008041024 (pred)	2.02 (actual)
Steering angle: 7.6542608848848985 (pred)	2.02 (actual)
Steering angle: 5.135989347808238 (pred)	2.02 (actual)
Steering angle: 1.8804200207264452 (pred)	2.02 (actual)
Steering angle: 15.588615874800972 (pred)	2.02 (actual)
Steering angle: 17.82655467711233 (pred)	2.02 (actual)
Steering angle: 14.736686379625281 (pred)	2.02 (actual)
Steering angle: 15.19705479006248 (pred)	2.02 (actual)
Steering angle: 14.178174981004169 (pred)	2.02 (actual)
Steering angle: 14.036842999150972 (pred)	2.02 (actual)
Steering angle: 28.76510263288775 (pred)	2.02 (actual)
Steering angle: 10.791458124451903 (pred)	2.02 (actual)
Steering angle: 10.704529453111505 (pred)	2.02 (actual)
Steering angle: 10.234908697669876 (pred)	2.02 (actual)
Steering angle: 10.322418788863374 (pred)	2.02 (actual)
Steering angle: 11.355960452748764 (pred)	2.02 (actual)
Steering angle: 10.17398853291524 (pred)	2.02 (actual)
Steering angle: 10.76919683039954 (pred)	2.02 (actual)
Steering angle: 13.37595816392877 (pred)	2.02 (actual)
Steering angle: 10.573889278630318 (pred)	2.02 (actual)
Steering angle: 8.697342615493504 (pred)	2.02 (actual)
Steering angle: 6.975398564880399 (pred)	2.02 (actual)
Steering angle: 4.720054733016556 (pred)	2.02 (actual)
Steering angle: 4.556702648166062 (pred)	2.02 (actual)
Steering angle: 4.605702425271733 (pred)	2.02 (actual)
Steering angle: 4.260880325023639 (pred)	2.12 (actual)
Steering angle: 6.905474503252393 (pred)	2.12 (actual)
Steering angle: 10.031515909470652 (pred)	2.22 (actual)
Steering angle: 8.82095196399781 (pred)	2.52 (actual)
Steering angle: 8.227295827002397 (pred)	2.62 (actual)
Steering angle: 7.787399201055018 (pred)	2.7200000000000006 (actual)
Steering angle: 7.558574203481251 (pred)	2.82 (actual)
Steering angle: 6.7649284200405715 (pred)	2.82 (actual)
Steering angle: 3.8243014634655945 (pred)	0.0 (actual)
Steering angle: 3.986898385525979 (pred)	2.82 (actual)

Steering angle: 5.953774300436211 (pred)	2.92 (actual)
Steering angle: 5.957390031828087 (pred)	3.03 (actual)
Steering angle: 5.8694547613587575 (pred)	3.13 (actual)
Steering angle: 4.976667928341697 (pred)	3.23 (actual)
Steering angle: 5.368567534330927 (pred)	3.3299999999999996 (actual)
Steering angle: 5.918577481869489 (pred)	3.4300000000000006 (actual)
Steering angle: 5.318545363283869 (pred)	3.4300000000000006 (actual)
Steering angle: 3.4633919198445935 (pred)	3.4300000000000006 (actual)
Steering angle: 2.6337636326392295 (pred)	3.4300000000000006 (actual)
Steering angle: 2.6230530422470033 (pred)	3.53 (actual)
Steering angle: 3.124086051124931 (pred)	3.53 (actual)
Steering angle: 2.769385576346295 (pred)	3.53 (actual)
Steering angle: 2.6594400212765996 (pred)	3.53 (actual)
Steering angle: 2.202950517957733 (pred)	3.53 (actual)
Steering angle: 1.6075336862603373 (pred)	3.53 (actual)
Steering angle: 1.5326750264004092 (pred)	3.53 (actual)
Steering angle: 1.4724129076836212 (pred)	3.53 (actual)
Steering angle: 1.7695400104009276 (pred)	3.53 (actual)
Steering angle: 1.5052069937663797 (pred)	3.53 (actual)
Steering angle: 1.716835922887582 (pred)	3.23 (actual)
Steering angle: 1.737671841837529 (pred)	3.23 (actual)
Steering angle: 0.7988076989059163 (pred)	3.03 (actual)
Steering angle: 0.6877022923377882 (pred)	2.92 (actual)
Steering angle: 0.4334166974157407 (pred)	2.92 (actual)
Steering angle: 0.4492302928916127 (pred)	2.92 (actual)
Steering angle: 0.696295737530722 (pred)	2.62 (actual)
Steering angle: 0.669191839356819 (pred)	2.52 (actual)
Steering angle: 0.4413954255833734 (pred)	2.42 (actual)
Steering angle: 0.31455155562024345 (pred)	2.02 (actual)
Steering angle: 0.27963242693196483 (pred)	2.02 (actual)
Steering angle: 0.34867368660974624 (pred)	2.02 (actual)
Steering angle: 0.3932726874558139 (pred)	1.92 (actual)
Steering angle: 0.434301847243492 (pred)	1.92 (actual)
Steering angle: 0.4737579290879516 (pred)	0.0 (actual)
Steering angle: 0.5507420584402232 (pred)	1.92 (actual)
Steering angle: 0.6526600068010378 (pred)	1.92 (actual)
Steering angle: 0.707543138103029 (pred)	1.92 (actual)
Steering angle: 0.7538885329425042 (pred)	1.92 (actual)
Steering angle: 0.7853424078440593 (pred)	1.92 (actual)
Steering angle: 0.8340147627563932 (pred)	1.92 (actual)
Steering angle: 0.7509370374474125 (pred)	1.82 (actual)
Steering angle: 0.8158357873935812 (pred)	1.51 (actual)
Steering angle: 0.9144022473060351 (pred)	1.41 (actual)
Steering angle: 0.9198608491133448 (pred)	1.31 (actual)
Steering angle: 1.095666930141711 (pred)	1.31 (actual)
Steering angle: 1.6459274602454483 (pred)	1.11 (actual)
Steering angle: 1.4926172475787538 (pred)	1.11 (actual)
Steering angle: 1.2533025735437278 (pred)	0.91 (actual)

Steering angle: 1.017231385590812 (pred)	0.91 (actual)
Steering angle: 1.2697296053844316 (pred)	0.71 (actual)
Steering angle: 1.5414934409491303 (pred)	0.61 (actual)
Steering angle: 2.001526745230176 (pred)	0.61 (actual)
Steering angle: 1.8946863649118977 (pred)	0.61 (actual)
Steering angle: 1.989590349325344 (pred)	0.61 (actual)
Steering angle: 1.6101372689945814 (pred)	0.61 (actual)
Steering angle: 2.0666916591105635 (pred)	0.61 (actual)
Steering angle: 2.1268602896130866 (pred)	0.61 (actual)
Steering angle: 3.2163747134164975 (pred)	0.61 (actual)
Steering angle: 2.9425479472790435 (pred)	0.61 (actual)
Steering angle: 2.5917349173552022 (pred)	0.61 (actual)
Steering angle: 2.546788644078522 (pred)	0.61 (actual)
Steering angle: 2.616585706876647 (pred)	0.61 (actual)
Steering angle: 2.2330266156376495 (pred)	0.61 (actual)
Steering angle: 2.078700625775327 (pred)	0.61 (actual)
Steering angle: 1.847503631568861 (pred)	0.61 (actual)
Steering angle: 1.4744700752842645 (pred)	0.61 (actual)
Steering angle: 1.1790616189168628 (pred)	0.61 (actual)
Steering angle: 1.1797273489175273 (pred)	0.61 (actual)
Steering angle: 1.0578710111523877 (pred)	0.61 (actual)
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Steering angle: 1.5569973300348245 (pred)	0.61 (actual)
Steering angle: 1.4605584740488295 (pred)	0.61 (actual)
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Steering angle: 0.6800815087713465 (pred)	0.61 (actual)
Steering angle: 0.7894904671043727 (pred)	0.61 (actual)
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Steering angle: 1.1134956448661484 (pred)	0.61 (actual)
Steering angle: 1.7274141783646393 (pred)	0.61 (actual)
Steering angle: 2.458598735619198 (pred)	0.61 (actual)
Steering angle: 2.562337356280644 (pred)	0.61 (actual)
Steering angle: 2.2793589904290195 (pred)	0.61 (actual)
Steering angle: 2.712918268043684 (pred)	0.61 (actual)
Steering angle: 2.7321102458377737 (pred)	0.61 (actual)
Steering angle: 2.8097391877363767 (pred)	0.61 (actual)
Steering angle: 3.2607005066957644 (pred)	0.61 (actual)
Steering angle: 2.5594989857936805 (pred)	0.61 (actual)
Steering angle: 2.3460799067797002 (pred)	0.61 (actual)
Steering angle: 1.8744233280785856 (pred)	0.0 (actual)
Steering angle: 1.1766900491709873 (pred)	0.61 (actual)
Steering angle: 0.693665260926621 (pred)	0.61 (actual)
Steering angle: 0.7066836014846652 (pred)	0.61 (actual)
Steering angle: 0.938186246656489 (pred)	0.61 (actual)
Steering angle: 1.3717293025718749 (pred)	0.61 (actual)
Steering angle: 1.6919311321830115 (pred)	0.61 (actual)

Steering angle: 1.4868540620231439 (pred)	0.61 (actual)
Steering angle: 1.4269080529988807 (pred)	0.61 (actual)
Steering angle: 1.6139897091298803 (pred)	0.61 (actual)
Steering angle: 1.442561779359492 (pred)	0.61 (actual)
Steering angle: 1.342181690778988 (pred)	0.4 (actual)
Steering angle: 1.3637787489345685 (pred)	0.3 (actual)
Steering angle: 1.407729735583131 (pred)	0.3 (actual)
Steering angle: 1.2978426640082041 (pred)	0.4 (actual)
Steering angle: 1.4389812661305246 (pred)	0.61 (actual)
Steering angle: 1.4008942103278292 (pred)	0.81 (actual)
Steering angle: 0.9913622575528002 (pred)	0.91 (actual)
Steering angle: 1.1724021844761003 (pred)	0.91 (actual)
Steering angle: 1.303441711580322 (pred)	0.91 (actual)
Steering angle: 1.3497072785838728 (pred)	1.01 (actual)
Steering angle: 1.1339697772334962 (pred)	1.6100000000000003 (actual)
Steering angle: 1.2756671742072883 (pred)	2.02 (actual)
Steering angle: 1.1659613160887783 (pred)	2.12 (actual)
Steering angle: 0.9769966621809708 (pred)	2.12 (actual)
Steering angle: 0.871881331514944 (pred)	2.12 (actual)
Steering angle: 0.7485750726550575 (pred)	2.12 (actual)
Steering angle: 0.9991819703788185 (pred)	1.82 (actual)
Steering angle: 1.103030727840631 (pred)	1.82 (actual)
Steering angle: 1.2694465794206993 (pred)	1.82 (actual)
Steering angle: 1.485975102054328 (pred)	1.82 (actual)
Steering angle: 1.6943268210343934 (pred)	1.82 (actual)
Steering angle: 1.7648850230381523 (pred)	1.82 (actual)
Steering angle: 2.1267313697925028 (pred)	1.82 (actual)
Steering angle: 2.2586152790328673 (pred)	1.82 (actual)
Steering angle: 1.6445274849090072 (pred)	1.82 (actual)
Steering angle: 1.0858124612732636 (pred)	1.92 (actual)
Steering angle: 0.9668346213564611 (pred)	2.02 (actual)
Steering angle: 1.1989690590265112 (pred)	2.52 (actual)
Steering angle: 2.8498767943939565 (pred)	3.3299999999999996 (actual)
Steering angle: 4.198285910148704 (pred)	4.54 (actual)
Steering angle: 3.9265254896785904 (pred)	4.64 (actual)
Steering angle: 7.599284692255465 (pred)	4.54 (actual)
Steering angle: 9.460363538243138 (pred)	4.13 (actual)
Steering angle: 8.774875507856905 (pred)	4.03 (actual)
Steering angle: 15.456298035104899 (pred)	4.03 (actual)
Steering angle: 9.52724987323778 (pred)	4.03 (actual)
Steering angle: 20.77282507748903 (pred)	4.03 (actual)
Steering angle: 19.438677396721268 (pred)	4.03 (actual)
Steering angle: 16.509301469256595 (pred)	4.03 (actual)
Steering angle: 10.690914324774731 (pred)	3.7300000000000004 (actual)
Steering angle: 9.900880003857695 (pred)	3.23 (actual)
Steering angle: 11.457907856300373 (pred)	2.7200000000000006 (actual)
Steering angle: 9.667334491793804 (pred)	2.32 (actual)
Steering angle: 5.710624261738811 (pred)	2.02 (actual)

Steering angle: 7.770693412118813 (pred)	1.92 (actual)
Steering angle: 9.023433775716484 (pred)	1.71 (actual)
Steering angle: 6.407681351918579 (pred)	1.6100000000000003 (actual)
Steering angle: 5.422259224509574 (pred)	1.41 (actual)
Steering angle: 5.6119830966323105 (pred)	1.41 (actual)
Steering angle: 5.663540779582152 (pred)	1.31 (actual)
Steering angle: 6.239381221901233 (pred)	1.21 (actual)
Steering angle: 6.5901771763521495 (pred)	1.21 (actual)
Steering angle: 6.657702134034188 (pred)	1.01 (actual)
Steering angle: 7.732053324436758 (pred)	0.71 (actual)
Steering angle: 8.94258311896375 (pred)	0.4 (actual)
Steering angle: 9.205553085972058 (pred)	0.4 (actual)
Steering angle: 8.069418565658491 (pred)	0.3 (actual)
Steering angle: 7.792540625952745 (pred)	0.2 (actual)
Steering angle: 7.550257594393114 (pred)	0.0 (actual)
Steering angle: 6.70635784036042 (pred)	-0.2 (actual)
Steering angle: 5.2199865873342315 (pred)	-0.71 (actual)
Steering angle: 4.892797474202172 (pred)	-1.01 (actual)
Steering angle: 5.2939438756671295 (pred)	-1.11 (actual)
Steering angle: 5.2489875705501055 (pred)	-1.11 (actual)
Steering angle: 5.140408907088059 (pred)	-1.11 (actual)
Steering angle: 5.840942136668539 (pred)	-1.11 (actual)
Steering angle: 5.958679230033926 (pred)	-1.11 (actual)
Steering angle: 4.225073912073494 (pred)	-1.11 (actual)
Steering angle: 2.7484879722504063 (pred)	-1.11 (actual)
Steering angle: 3.0480099100454483 (pred)	-1.11 (actual)
Steering angle: 4.474312210642314 (pred)	-1.11 (actual)
Steering angle: 3.0268000382384432 (pred)	-1.11 (actual)
Steering angle: 2.491723658989879 (pred)	-1.11 (actual)
Steering angle: 5.306814940271195 (pred)	-1.11 (actual)
Steering angle: 7.939556178969038 (pred)	-1.11 (actual)
Steering angle: 5.443951051539888 (pred)	-1.21 (actual)
Steering angle: 3.6741141413534764 (pred)	-1.41 (actual)
Steering angle: 2.846600011139643 (pred)	-1.51 (actual)
Steering angle: 10.600481766390116 (pred)	-1.51 (actual)
Steering angle: 10.60100256831433 (pred)	-1.51 (actual)
Steering angle: 7.278776357905325 (pred)	-1.51 (actual)
Steering angle: 9.599241774637008 (pred)	-1.51 (actual)
Steering angle: 3.2139642969697175 (pred)	-1.51 (actual)
Steering angle: 3.651959569006894 (pred)	-1.51 (actual)
Steering angle: 5.209825827170191 (pred)	-1.51 (actual)
Steering angle: 5.696047357389535 (pred)	-1.51 (actual)
Steering angle: 2.139124321154668 (pred)	-1.51 (actual)
Steering angle: 0.7428494531398827 (pred)	-1.51 (actual)
Steering angle: 1.4188061679827761 (pred)	-1.21 (actual)
Steering angle: 1.8737430839259346 (pred)	-1.11 (actual)
Steering angle: 1.563593798669176 (pred)	-0.91 (actual)
Steering angle: 1.2249105443810426 (pred)	-0.81 (actual)

Steering angle: 1.89186378923739 (pred)	-0.71 (actual)
Steering angle: 1.3929626531541521 (pred)	-0.71 (actual)
Steering angle: 1.2528451643127485 (pred)	-0.71 (actual)
Steering angle: 1.7665515891956354 (pred)	-0.71 (actual)
Steering angle: 2.005017825669699 (pred)	-0.71 (actual)
Steering angle: 0.3869707707294193 (pred)	-0.71 (actual)
Steering angle: 0.6822441174173017 (pred)	-0.71 (actual)
Steering angle: 2.0551900474350853 (pred)	-0.71 (actual)
Steering angle: 3.593015036469684 (pred)	-0.71 (actual)
Steering angle: 2.681046897829112 (pred)	-0.71 (actual)
Steering angle: 2.1209372349422164 (pred)	-0.71 (actual)
Steering angle: 2.709318331464264 (pred)	-0.71 (actual)
Steering angle: 6.467135160435777 (pred)	-0.71 (actual)
Steering angle: 9.388890731220833 (pred)	-0.71 (actual)
Steering angle: 7.7288849704355185 (pred)	-0.71 (actual)
Steering angle: 2.582769013409091 (pred)	-0.71 (actual)
Steering angle: 1.392424562313602 (pred)	-0.71 (actual)
Steering angle: 1.1092942247529443 (pred)	-0.61 (actual)
Steering angle: 1.3978547761471736 (pred)	-0.5 (actual)
Steering angle: 0.9072655533970181 (pred)	-0.5 (actual)
Steering angle: 3.183091628477848 (pred)	-0.5 (actual)
Steering angle: 5.524122958243852 (pred)	-0.5 (actual)
Steering angle: 1.577851178231343 (pred)	-0.5 (actual)
Steering angle: 3.7232338736564463 (pred)	-0.5 (actual)
Steering angle: 7.066395040758363 (pred)	-0.5 (actual)
Steering angle: 3.5238623593310665 (pred)	-0.5 (actual)
Steering angle: 2.9721192512906134 (pred)	-0.5 (actual)
Steering angle: 2.817518773201021 (pred)	-0.5 (actual)
Steering angle: 2.197991160290069 (pred)	-0.5 (actual)
Steering angle: 2.2729119321827618 (pred)	-0.5 (actual)
Steering angle: 1.7450860121815779 (pred)	-0.5 (actual)
Steering angle: 0.5199504984447478 (pred)	-0.5 (actual)
Steering angle: 1.4237117379107262 (pred)	-0.5 (actual)
Steering angle: 1.7171127589923791 (pred)	-0.5 (actual)
Steering angle: 1.7387027735153777 (pred)	-0.5 (actual)
Steering angle: 1.7745988326983797 (pred)	-0.5 (actual)
Steering angle: 1.8418031983762508 (pred)	-0.5 (actual)
Steering angle: 1.2751958911545576 (pred)	-0.5 (actual)
Steering angle: 1.6525997012909046 (pred)	-0.5 (actual)
Steering angle: 1.8019381589552368 (pred)	-0.4 (actual)
Steering angle: 1.9075535875345555 (pred)	-0.4 (actual)
Steering angle: 2.281340599061969 (pred)	-0.3 (actual)
Steering angle: 1.8998250150452745 (pred)	-0.3 (actual)
Steering angle: 2.383409878801582 (pred)	-0.3 (actual)
Steering angle: 5.8203392979240185 (pred)	-0.3 (actual)
Steering angle: 2.27052990370972 (pred)	-0.3 (actual)
Steering angle: 2.669289794389993 (pred)	-0.3 (actual)
Steering angle: 3.7739249763553424 (pred)	-0.3 (actual)

Steering angle: 2.757528367947153 (pred)	-0.1 (actual)
Steering angle: 3.1978185835454536 (pred)	0.0 (actual)
Steering angle: 9.207892425762788 (pred)	0.0 (actual)
Steering angle: 10.118975628019019 (pred)	0.0 (actual)
Steering angle: 5.795012529594788 (pred)	0.0 (actual)
Steering angle: 2.2982769068826623 (pred)	0.0 (actual)
Steering angle: 2.8281292586332243 (pred)	0.0 (actual)
Steering angle: 2.763744907308922 (pred)	0.0 (actual)
Steering angle: 3.0000991212255705 (pred)	0.0 (actual)
Steering angle: 4.977001753837381 (pred)	0.0 (actual)
Steering angle: 1.6231844244131868 (pred)	0.0 (actual)
Steering angle: 1.9659640846560351 (pred)	0.0 (actual)
Steering angle: 2.514146102817973 (pred)	0.0 (actual)
Steering angle: 4.506849951187785 (pred)	0.3 (actual)
Steering angle: 2.3075875219384474 (pred)	0.81 (actual)
Steering angle: 1.8837896518647888 (pred)	1.31 (actual)
Steering angle: 2.4836484544002198 (pred)	1.51 (actual)
Steering angle: 1.6161815595232196 (pred)	1.51 (actual)
Steering angle: 0.7875086450280111 (pred)	1.41 (actual)
Steering angle: 0.9996814279618756 (pred)	1.41 (actual)
Steering angle: 2.3515231406613775 (pred)	1.41 (actual)
Steering angle: 1.9072014059054767 (pred)	1.41 (actual)
Steering angle: 2.9146645537661127 (pred)	1.41 (actual)
Steering angle: 6.327922244772577 (pred)	1.31 (actual)
Steering angle: 6.372529783355108 (pred)	1.31 (actual)
Steering angle: 8.136288678953854 (pred)	1.11 (actual)
Steering angle: 8.047142757454141 (pred)	0.91 (actual)
Steering angle: 8.311016016980181 (pred)	0.81 (actual)
Steering angle: 9.43105178142003 (pred)	0.81 (actual)
Steering angle: 6.148909389928891 (pred)	0.81 (actual)
Steering angle: 2.8075052889909595 (pred)	0.81 (actual)
Steering angle: 2.39063002908452 (pred)	0.81 (actual)
Steering angle: 8.517252725195071 (pred)	0.81 (actual)
Steering angle: 6.879271763162109 (pred)	0.71 (actual)
Steering angle: 9.597191864112357 (pred)	0.71 (actual)
Steering angle: 11.511641808274511 (pred)	0.5 (actual)
Steering angle: 15.390045200155775 (pred)	0.2 (actual)
Steering angle: 11.828939953714745 (pred)	-0.3 (actual)
Steering angle: 10.327227242039061 (pred)	-0.61 (actual)
Steering angle: 9.882765488405177 (pred)	-0.61 (actual)
Steering angle: 7.4277752271018604 (pred)	-0.4 (actual)
Steering angle: 4.257576221012646 (pred)	-0.4 (actual)
Steering angle: 3.808713264232333 (pred)	-0.2 (actual)
Steering angle: 3.4142636498051613 (pred)	0.1 (actual)
Steering angle: 3.4749784819978737 (pred)	0.61 (actual)
Steering angle: 3.602368553651193 (pred)	1.01 (actual)
Steering angle: 3.931893591479397 (pred)	1.11 (actual)
Steering angle: 4.038411672246215 (pred)	1.11 (actual)

Steering angle: 2.976909775219731 (pred)	1.11 (actual)
Steering angle: 3.1025427807090646 (pred)	1.31 (actual)
Steering angle: 2.8377730588544594 (pred)	1.82 (actual)
Steering angle: 3.7386636978783283 (pred)	0.0 (actual)
Steering angle: 3.6094514598204963 (pred)	3.13 (actual)
Steering angle: 3.8658204758828094 (pred)	3.829999999999999 (actual)
Steering angle: 3.488441211738792 (pred)	4.13 (actual)
Steering angle: 3.569222285939356 (pred)	4.34 (actual)
Steering angle: 2.611096369218073 (pred)	4.34 (actual)
Steering angle: 2.239761609046105 (pred)	4.34 (actual)
Steering angle: 2.322747980574937 (pred)	4.34 (actual)
Steering angle: 2.655783308749704 (pred)	4.34 (actual)
Steering angle: 2.598867342395988 (pred)	4.34 (actual)
Steering angle: 2.2894787694580394 (pred)	4.34 (actual)
Steering angle: 2.1982795223390905 (pred)	4.13 (actual)
Steering angle: 2.7663768780169042 (pred)	4.03 (actual)
Steering angle: 2.1938563345212727 (pred)	4.03 (actual)
Steering angle: 1.9766140571193775 (pred)	4.03 (actual)
Steering angle: 1.4916695588314144 (pred)	3.829999999999999 (actual)
Steering angle: 2.06096753369927 (pred)	0.0 (actual)
Steering angle: 2.2733751043858534 (pred)	3.53 (actual)
Steering angle: 2.1196806935783457 (pred)	3.4300000000000006 (actual)
Steering angle: 2.1853399423999127 (pred)	3.13 (actual)
Steering angle: 7.896862374014581 (pred)	3.03 (actual)
Steering angle: 6.928350087443236 (pred)	3.03 (actual)
Steering angle: 5.254331339801994 (pred)	3.03 (actual)
Steering angle: 3.152762173468407 (pred)	2.92 (actual)
Steering angle: 2.700063425138897 (pred)	2.7200000000000006 (actual)
Steering angle: 2.4500270616542434 (pred)	2.52 (actual)
Steering angle: 2.2871133895710996 (pred)	2.42 (actual)
Steering angle: 2.7164210878708426 (pred)	2.32 (actual)
Steering angle: 2.220618723236675 (pred)	2.32 (actual)
Steering angle: 2.099740169739905 (pred)	2.32 (actual)
Steering angle: 1.980198625773165 (pred)	2.12 (actual)
Steering angle: 1.6421516462949006 (pred)	2.12 (actual)
Steering angle: 1.6438568457098766 (pred)	2.02 (actual)
Steering angle: 1.8095292738874713 (pred)	1.82 (actual)
Steering angle: 1.7611224425791214 (pred)	1.01 (actual)
Steering angle: 1.702037464277103 (pred)	0.5 (actual)
Steering angle: 1.8594180428023022 (pred)	0.2 (actual)
Steering angle: 2.2946379101589263 (pred)	0.2 (actual)
Steering angle: 1.8663090633446104 (pred)	0.0 (actual)
Steering angle: 1.5235942898988772 (pred)	-0.1 (actual)
Steering angle: 1.270115297629126 (pred)	-0.71 (actual)
Steering angle: 0.8891766511538856 (pred)	-1.31 (actual)
Steering angle: 0.9065050545216196 (pred)	-1.51 (actual)
Steering angle: 0.6151620548142562 (pred)	-1.6100000000000003 (actual)
Steering angle: 0.4168726985855004 (pred)	-1.6100000000000003 (actual)



Steering angle: 0.3566938227992221 (pred)	0.0 (actual)
Steering angle: 0.41472161588376955 (pred)	-1.6100000000000003 (actual)
Steering angle: 0.6442505498288712 (pred)	-1.51 (actual)
Steering angle: 0.7354175669926741 (pred)	-1.51 (actual)
Steering angle: 0.7377099492328597 (pred)	-1.51 (actual)
Steering angle: 0.6638295005281243 (pred)	0.0 (actual)
Steering angle: 0.5548350493003533 (pred)	-1.51 (actual)
Steering angle: 0.5145249803662305 (pred)	-1.31 (actual)
Steering angle: 0.548420647896065 (pred)	-1.11 (actual)
Steering angle: 0.7014320397865716 (pred)	-0.91 (actual)
Steering angle: 1.4810575792953302 (pred)	-0.91 (actual)
Steering angle: 1.214145952805691 (pred)	-0.91 (actual)
Steering angle: 0.9695684045717587 (pred)	-0.91 (actual)
Steering angle: 0.6438095757405822 (pred)	-0.91 (actual)
Steering angle: 0.7492386682216066 (pred)	-0.81 (actual)
Steering angle: 0.8901584908470749 (pred)	-0.81 (actual)
Steering angle: 0.6595038563493906 (pred)	-0.71 (actual)
Steering angle: 0.6588541346045931 (pred)	-0.81 (actual)
Steering angle: 0.7483552259411477 (pred)	-0.81 (actual)
Steering angle: 1.18467560752779 (pred)	-0.81 (actual)
Steering angle: 1.6645348165352671 (pred)	-0.81 (actual)
Steering angle: 2.090184735091057 (pred)	-0.91 (actual)
Steering angle: 2.1099784098623426 (pred)	-0.91 (actual)
Steering angle: 2.117655542489437 (pred)	-0.91 (actual)
Steering angle: 2.1107803167595844 (pred)	-0.91 (actual)
Steering angle: 2.128005840402945 (pred)	-0.91 (actual)
Steering angle: 2.252481342271373 (pred)	-0.91 (actual)
Steering angle: 2.4378691114882094 (pred)	-0.91 (actual)
Steering angle: 2.2540954013496117 (pred)	-0.91 (actual)
Steering angle: 1.7379555081314961 (pred)	-1.01 (actual)
Steering angle: 1.4872410349283074 (pred)	-0.81 (actual)
Steering angle: 1.663568558211122 (pred)	-0.81 (actual)
Steering angle: 1.7191458074875157 (pred)	-0.81 (actual)
Steering angle: 2.0403286230181954 (pred)	-0.81 (actual)
Steering angle: 2.3690331843723516 (pred)	-0.81 (actual)
Steering angle: 2.633183706890013 (pred)	-0.71 (actual)
Steering angle: 2.495496271289253 (pred)	-0.5 (actual)
Steering angle: 2.7366608593722948 (pred)	-0.3 (actual)
Steering angle: 3.395708800594587 (pred)	-0.3 (actual)
Steering angle: 3.5548739794838635 (pred)	-0.2 (actual)
Steering angle: 3.8775312621016194 (pred)	0.2 (actual)
Steering angle: 4.710541560163198 (pred)	0.81 (actual)
Steering angle: 5.924390399739993 (pred)	0.91 (actual)
Steering angle: 5.156428262012677 (pred)	0.91 (actual)
Steering angle: 4.8577124999831085 (pred)	0.91 (actual)
Steering angle: 6.11670504799228 (pred)	0.91 (actual)
Steering angle: 6.47817573434228 (pred)	0.0 (actual)
Steering angle: 8.835903248090968 (pred)	1.51 (actual)

Steering angle: 9.928820600204926 (pred)	1.51 (actual)
Steering angle: 10.517111623607294 (pred)	1.51 (actual)
Steering angle: 9.741272143332838 (pred)	1.51 (actual)
Steering angle: 9.04350343281892 (pred)	1.51 (actual)
Steering angle: 8.202838627131873 (pred)	1.51 (actual)
Steering angle: 9.422613936474125 (pred)	0.0 (actual)
Steering angle: 8.3977807637805 (pred)	1.51 (actual)
Steering angle: 6.122027899789836 (pred)	1.6100000000000003 (actual)
Steering angle: 6.491423313124343 (pred)	1.71 (actual)
Steering angle: 7.022251955039394 (pred)	1.92 (actual)
Steering angle: 6.3580019709904905 (pred)	2.02 (actual)
Steering angle: 6.047869547763246 (pred)	2.02 (actual)
Steering angle: 6.4235325134348855 (pred)	2.02 (actual)
Steering angle: 7.67948818858434 (pred)	2.02 (actual)
Steering angle: 7.136110781616684 (pred)	2.02 (actual)
Steering angle: 6.165526813292709 (pred)	2.02 (actual)
Steering angle: 7.040947036571365 (pred)	2.02 (actual)
Steering angle: 5.778951766648326 (pred)	2.02 (actual)
Steering angle: 4.546833451702216 (pred)	2.02 (actual)
Steering angle: 6.947136522755356 (pred)	2.02 (actual)
Steering angle: 11.054694468837841 (pred)	2.12 (actual)
Steering angle: 10.543665691553011 (pred)	2.32 (actual)
Steering angle: 9.7133793583098 (pred)	2.62 (actual)
Steering angle: 4.559276348822687 (pred)	2.7200000000000006 (actual)
Steering angle: 3.8095952124089107 (pred)	2.82 (actual)
Steering angle: 3.198751544697395 (pred)	2.62 (actual)
Steering angle: 2.8896859116411413 (pred)	2.22 (actual)
Steering angle: 2.573708767475069 (pred)	2.22 (actual)
Steering angle: 2.492269006906422 (pred)	2.02 (actual)
Steering angle: 2.9498750327111747 (pred)	1.6100000000000003 (actual)
Steering angle: 6.709904842973772 (pred)	0.91 (actual)
Steering angle: 12.411230655931258 (pred)	0.4 (actual)
Steering angle: 12.125015847630104 (pred)	0.1 (actual)
Steering angle: 7.887111425200741 (pred)	0.1 (actual)
Steering angle: 4.699096724435195 (pred)	0.1 (actual)
Steering angle: 4.327118645820777 (pred)	0.1 (actual)
Steering angle: 3.2483436272701534 (pred)	0.1 (actual)
Steering angle: 1.3184414473279047 (pred)	0.0 (actual)
Steering angle: 1.4044610631784569 (pred)	0.0 (actual)
Steering angle: 1.0339416568386597 (pred)	-0.61 (actual)
Steering angle: 1.053053593353413 (pred)	-0.61 (actual)
Steering angle: 0.9398878175334684 (pred)	-0.71 (actual)
Steering angle: 1.7638003036205896 (pred)	-0.81 (actual)
Steering angle: 7.995775466027413 (pred)	-1.01 (actual)
Steering angle: 5.942335014236909 (pred)	-1.21 (actual)
Steering angle: 1.5299935368209443 (pred)	-1.31 (actual)
Steering angle: 1.2306278396031665 (pred)	-1.31 (actual)
Steering angle: 0.9890788399359002 (pred)	-1.31 (actual)

Steering angle: 1.3582008322601953 (pred)	-1.31 (actual)
Steering angle: 1.0163227569877886 (pred)	-1.31 (actual)
Steering angle: 0.8687368831757993 (pred)	-1.31 (actual)
Steering angle: 0.4238000045077743 (pred)	-1.31 (actual)
Steering angle: -0.5729849963591928 (pred)	-1.31 (actual)
Steering angle: -2.4346431277658476 (pred)	-1.31 (actual)
Steering angle: -1.6743179953042526 (pred)	-1.31 (actual)
Steering angle: -0.9334943335835133 (pred)	-1.31 (actual)
Steering angle: -1.0340197771272917 (pred)	-1.31 (actual)
Steering angle: -1.396109449370824 (pred)	-1.31 (actual)
Steering angle: -1.7112355946549946 (pred)	-1.31 (actual)
Steering angle: -3.3876602764313732 (pred)	-1.31 (actual)
Steering angle: -3.0495377379854154 (pred)	-1.31 (actual)
Steering angle: -1.2909232554921581 (pred)	-1.11 (actual)
Steering angle: -0.8009937863271435 (pred)	-0.91 (actual)
Steering angle: 0.332565752669329 (pred)	-0.91 (actual)
Steering angle: 0.2594818747765463 (pred)	-0.91 (actual)
Steering angle: 0.46133381498769843 (pred)	-0.81 (actual)
Steering angle: 0.021726404862987436 (pred)	-0.61 (actual)
Steering angle: -0.25364377058347787 (pred)	-0.4 (actual)
Steering angle: -0.8449742281665018 (pred)	-0.3 (actual)
Steering angle: -1.2257376376008489 (pred)	-0.1 (actual)
Steering angle: -1.69402864058844 (pred)	0.2 (actual)
Steering angle: -1.706771212258745 (pred)	0.91 (actual)
Steering angle: -2.1828755247700076 (pred)	1.31 (actual)
Steering angle: -2.1560196478403406 (pred)	1.71 (actual)
Steering angle: -0.3010128400248088 (pred)	2.02 (actual)
Steering angle: -0.13571201682674522 (pred)	2.52 (actual)
Steering angle: 0.012894970266160948 (pred)	2.82 (actual)
Steering angle: 2.045050845055613 (pred)	2.92 (actual)
Steering angle: 3.7170606633072243 (pred)	2.92 (actual)
Steering angle: 7.837613898059305 (pred)	3.03 (actual)
Steering angle: 2.633329275296699 (pred)	3.13 (actual)
Steering angle: 4.976686711361914 (pred)	3.3299999999999996 (actual)
Steering angle: 1.732914188193792 (pred)	3.3299999999999996 (actual)
Steering angle: 1.407300073995655 (pred)	3.4300000000000006 (actual)
Steering angle: 1.5002574544956477 (pred)	3.3299999999999996 (actual)
Steering angle: 1.1899455253592781 (pred)	3.4300000000000006 (actual)
Steering angle: 0.3852098625840254 (pred)	3.3299999999999996 (actual)
Steering angle: 0.315910763265076 (pred)	3.4300000000000006 (actual)
Steering angle: 0.39574841758653195 (pred)	3.4300000000000006 (actual)
Steering angle: 0.9486505233517716 (pred)	3.4300000000000006 (actual)
Steering angle: 1.3389689405481433 (pred)	3.4300000000000006 (actual)
Steering angle: 1.101415388101923 (pred)	3.3299999999999996 (actual)
Steering angle: 0.9811001117682675 (pred)	2.92 (actual)
Steering angle: 0.8338787993032277 (pred)	2.62 (actual)
Steering angle: 0.9368786923172546 (pred)	2.42 (actual)
Steering angle: 0.8217159399387275 (pred)	2.32 (actual)

Steering angle: 0.7323226375250121 (pred)	1.71 (actual)
Steering angle: 0.49705741189415764 (pred)	1.01 (actual)
Steering angle: 0.4625416912537329 (pred)	0.71 (actual)
Steering angle: 0.5037418192140729 (pred)	0.71 (actual)
Steering angle: 0.4516366539135728 (pred)	0.81 (actual)
Steering angle: 0.3796680178462063 (pred)	0.81 (actual)
Steering angle: 0.41014389503598003 (pred)	0.71 (actual)
Steering angle: 0.4754582193044617 (pred)	0.4 (actual)
Steering angle: 0.418342256474111 (pred)	0.0 (actual)
Steering angle: 0.55858204839034 (pred)	0.0 (actual)
Steering angle: 0.5224151295180647 (pred)	0.0 (actual)
Steering angle: 0.5271599765571079 (pred)	0.0 (actual)
Steering angle: 0.5332241173230214 (pred)	0.0 (actual)
Steering angle: 0.5828339156989396 (pred)	0.0 (actual)
Steering angle: 0.5808663943311528 (pred)	0.0 (actual)
Steering angle: 0.43353558539598125 (pred)	0.0 (actual)
Steering angle: 0.4266716721669415 (pred)	0.0 (actual)
Steering angle: 0.4449093444679334 (pred)	0.0 (actual)
Steering angle: 0.6551472628759802 (pred)	0.0 (actual)
Steering angle: 0.6878681378685726 (pred)	0.0 (actual)
Steering angle: 0.8527412204698641 (pred)	0.0 (actual)
Steering angle: 0.923482556920744 (pred)	0.1 (actual)
Steering angle: 0.9039951734450514 (pred)	0.5 (actual)
Steering angle: 0.9091950818375467 (pred)	0.5 (actual)
Steering angle: 0.88669579838129 (pred)	0.5 (actual)
Steering angle: 0.9659917333241993 (pred)	0.5 (actual)
Steering angle: 0.8189569704008655 (pred)	0.5 (actual)
Steering angle: 0.5713999655849267 (pred)	0.5 (actual)
Steering angle: 0.635805234363562 (pred)	0.5 (actual)
Steering angle: 0.750512925388637 (pred)	0.61 (actual)
Steering angle: 1.1197036464914554 (pred)	0.71 (actual)
Steering angle: 1.0808712462955825 (pred)	1.01 (actual)
Steering angle: 0.7019278688316323 (pred)	1.21 (actual)
Steering angle: 1.0334289657640856 (pred)	1.31 (actual)
Steering angle: 0.8460967270679111 (pred)	1.31 (actual)
Steering angle: 0.7151549570461851 (pred)	1.31 (actual)
Steering angle: 0.4554310374409265 (pred)	0.0 (actual)
Steering angle: 0.18962974357823745 (pred)	1.31 (actual)
Steering angle: -0.4373446965187327 (pred)	1.31 (actual)
Steering angle: 0.07426635439284114 (pred)	1.31 (actual)
Steering angle: 0.25179214898816976 (pred)	0.0 (actual)
Steering angle: 0.43779015291866447 (pred)	1.31 (actual)
Steering angle: 0.2795365908401731 (pred)	1.31 (actual)
Steering angle: -0.07043077628705587 (pred)	0.0 (actual)
Steering angle: -3.0224466464162063 (pred)	1.21 (actual)
Steering angle: -3.0949794134203334 (pred)	1.11 (actual)
Steering angle: -0.7849825422521642 (pred)	1.11 (actual)
Steering angle: 0.388826020862724 (pred)	1.11 (actual)

Steering angle: 0.5539411482927279 (pred)	1.11 (actual)
Steering angle: 0.5081714103342377 (pred)	0.91 (actual)
Steering angle: 1.028957753178666 (pred)	0.5 (actual)
Steering angle: 2.0262673979512544 (pred)	0.4 (actual)
Steering angle: 7.20821452736357 (pred)	0.1 (actual)
Steering angle: 10.53179482277553 (pred)	0.0 (actual)
Steering angle: 11.064838153528957 (pred)	0.0 (actual)
Steering angle: 11.91186528042787 (pred)	0.0 (actual)
Steering angle: 12.86987188228209 (pred)	0.0 (actual)
Steering angle: 12.481170939258542 (pred)	0.0 (actual)
Steering angle: 19.138275431740354 (pred)	0.0 (actual)
Steering angle: 18.68383904059731 (pred)	-0.1 (actual)
Steering angle: 11.68366951403139 (pred)	-0.4 (actual)
Steering angle: 8.374281497941071 (pred)	-0.4 (actual)
Steering angle: 7.549531033020154 (pred)	-0.4 (actual)
Steering angle: 6.546405909056123 (pred)	-0.3 (actual)
Steering angle: 3.7716150917554088 (pred)	-0.3 (actual)
Steering angle: 2.8799232234396657 (pred)	-0.3 (actual)
Steering angle: 5.24266366915232 (pred)	-0.3 (actual)
Steering angle: 3.7211839631317964 (pred)	-0.2 (actual)
Steering angle: 2.7479176514547103 (pred)	-0.1 (actual)
Steering angle: 1.9125140124192772 (pred)	0.0 (actual)
Steering angle: 1.5787262962187507 (pred)	0.1 (actual)
Steering angle: 0.4492998754437822 (pred)	0.1 (actual)
Steering angle: -0.594954726711362 (pred)	0.1 (actual)
Steering angle: -1.8937826455073403 (pred)	0.1 (actual)
Steering angle: -1.914155392254196 (pred)	0.1 (actual)
Steering angle: -2.105512533362212 (pred)	0.2 (actual)
Steering angle: -0.9967512768079402 (pred)	0.2 (actual)
Steering angle: -3.189169429622102 (pred)	0.0 (actual)
Steering angle: 9.640644673838333 (pred)	-0.2 (actual)
Steering angle: 1.6140272751703153 (pred)	-0.2 (actual)
Steering angle: 1.3034084144081184 (pred)	-0.2 (actual)
Steering angle: 4.431721712299053 (pred)	-0.1 (actual)
Steering angle: 3.423830823841645 (pred)	0.0 (actual)
Steering angle: 3.8097339506264265 (pred)	0.1 (actual)
Steering angle: 3.389127059555633 (pred)	0.1 (actual)
Steering angle: 2.356855810855865 (pred)	0.1 (actual)
Steering angle: 2.0120234653240163 (pred)	0.1 (actual)
Steering angle: 1.0600803639054752 (pred)	-0.1 (actual)
Steering angle: 0.997101964333138 (pred)	-0.5 (actual)
Steering angle: 0.8918303930898471 (pred)	-0.5 (actual)
Steering angle: 0.7872117452425271 (pred)	-0.5 (actual)
Steering angle: 0.8830619242994316 (pred)	-0.5 (actual)
Steering angle: 1.1646330577386224 (pred)	-0.5 (actual)
Steering angle: 0.6877810529566549 (pred)	-0.5 (actual)
Steering angle: 1.7842323876358597 (pred)	-0.5 (actual)
Steering angle: 2.3495718409928696 (pred)	-0.5 (actual)

Steering angle: 5.537950676218542 (pred)	-0.5 (actual)
Steering angle: 10.281783432170029 (pred)	-0.2 (actual)
Steering angle: 10.109625952818918 (pred)	0.1 (actual)
Steering angle: 7.6617220127794905 (pred)	0.4 (actual)
Steering angle: 5.000778922998665 (pred)	0.4 (actual)
Steering angle: 6.773666366423134 (pred)	0.4 (actual)
Steering angle: 6.321854048581844 (pred)	0.1 (actual)
Steering angle: 3.174919947466163 (pred)	0.0 (actual)
Steering angle: 2.2358750179649562 (pred)	0.0 (actual)
Steering angle: 2.2331188231914445 (pred)	0.0 (actual)
Steering angle: 2.2803760482851163 (pred)	0.0 (actual)
Steering angle: 2.4030891479042698 (pred)	0.0 (actual)
Steering angle: 1.6886214786433171 (pred)	0.0 (actual)
Steering angle: 1.3111094526973077 (pred)	0.0 (actual)
Steering angle: 0.8171365115436455 (pred)	-0.1 (actual)
Steering angle: 0.7211298784660654 (pred)	-0.2 (actual)
Steering angle: 0.49259793869637397 (pred)	-0.2 (actual)
Steering angle: 0.4395653617726331 (pred)	0.0 (actual)
Steering angle: 0.33611488971679687 (pred)	0.0 (actual)
Steering angle: 0.367167277561202 (pred)	0.71 (actual)
Steering angle: 0.6770679012434899 (pred)	0.71 (actual)
Steering angle: 0.5314083542208559 (pred)	0.71 (actual)
Steering angle: 0.8153916116541188 (pred)	0.71 (actual)
Steering angle: 1.34922617713421 (pred)	0.71 (actual)
Steering angle: 2.606594420781388 (pred)	0.5 (actual)
Steering angle: 1.3711796857871004 (pred)	0.4 (actual)
Steering angle: 1.5152245334012613 (pred)	0.4 (actual)
Steering angle: 1.489786347611195 (pred)	0.4 (actual)
Steering angle: 0.9480503204784567 (pred)	0.4 (actual)
Steering angle: 0.5575030919448896 (pred)	0.4 (actual)
Steering angle: 0.31197614741632557 (pred)	0.5 (actual)
Steering angle: 0.3814308469823043 (pred)	0.5 (actual)
Steering angle: -0.16800258990162675 (pred)	0.71 (actual)
Steering angle: 0.07069694022127479 (pred)	1.11 (actual)
Steering angle: 0.6555152393175147 (pred)	1.31 (actual)
Steering angle: 0.5075509303368244 (pred)	0.0 (actual)
Steering angle: 0.8942758142561232 (pred)	1.41 (actual)
Steering angle: 2.326237566910579 (pred)	1.51 (actual)
Steering angle: 1.8473499523125358 (pred)	1.51 (actual)
Steering angle: 1.171406684404571 (pred)	1.51 (actual)
Steering angle: 1.0797397827708877 (pred)	1.92 (actual)
Steering angle: 0.9990995812219552 (pred)	2.22 (actual)
Steering angle: 1.2214792280967575 (pred)	2.22 (actual)
Steering angle: 0.7973725054065673 (pred)	2.22 (actual)
Steering angle: 1.9239492431937595 (pred)	2.22 (actual)
Steering angle: 1.799685477189602 (pred)	2.22 (actual)
Steering angle: 1.2975278349761488 (pred)	2.52 (actual)
Steering angle: 1.3763503524322116 (pred)	2.52 (actual)

Steering angle: 3.7466494696785424 (pred)	2.52 (actual)
Steering angle: 5.271561345756997 (pred)	2.32 (actual)
Steering angle: 7.805878277854488 (pred)	2.12 (actual)
Steering angle: 4.278722913569829 (pred)	2.12 (actual)
Steering angle: 3.2577272399726933 (pred)	2.12 (actual)
Steering angle: 4.000050341659662 (pred)	1.92 (actual)
Steering angle: 4.520232853092779 (pred)	1.82 (actual)
Steering angle: 3.8507842413118496 (pred)	1.71 (actual)
Steering angle: 3.4970814010388582 (pred)	1.41 (actual)
Steering angle: 3.1016164363028818 (pred)	1.31 (actual)
Steering angle: 2.896114186867181 (pred)	1.31 (actual)
Steering angle: 2.3324745968398584 (pred)	1.31 (actual)
Steering angle: 2.2874653577567665 (pred)	1.31 (actual)
Steering angle: 2.611956546166671 (pred)	1.01 (actual)
Steering angle: 2.66065686216592 (pred)	0.71 (actual)
Steering angle: 3.413130265289762 (pred)	0.4 (actual)
Steering angle: 3.4050729899466745 (pred)	0.4 (actual)
Steering angle: 4.2991660966425 (pred)	0.4 (actual)
Steering angle: 3.353793637205511 (pred)	0.2 (actual)
Steering angle: 1.354030788328491 (pred)	0.0 (actual)
Steering angle: 1.577589283165355 (pred)	-0.2 (actual)
Steering angle: 1.18734962658785 (pred)	-0.3 (actual)
Steering angle: 1.8900256145770102 (pred)	-0.3 (actual)
Steering angle: 1.792391902373086 (pred)	-0.3 (actual)
Steering angle: 2.4214636374320735 (pred)	-0.5 (actual)
Steering angle: 0.657553837341352 (pred)	-0.91 (actual)
Steering angle: -0.9484665351310044 (pred)	-0.91 (actual)
Steering angle: -0.246144649761627 (pred)	-0.91 (actual)
Steering angle: -1.8591762114170014 (pred)	-0.91 (actual)
Steering angle: 0.04078434019461551 (pred)	-0.91 (actual)
Steering angle: -0.6635763566420106 (pred)	-0.91 (actual)
Steering angle: 0.041380701086522254 (pred)	-0.91 (actual)
Steering angle: 0.4236542226576768 (pred)	-0.81 (actual)
Steering angle: 0.6979968815208784 (pred)	-0.5 (actual)
Steering angle: 0.836913964615652 (pred)	-0.1 (actual)
Steering angle: 0.7394187771858323 (pred)	-0.1 (actual)
Steering angle: 0.665033321369339 (pred)	-0.1 (actual)
Steering angle: 0.7757120545577528 (pred)	-0.1 (actual)
Steering angle: 0.5937402336995691 (pred)	0.0 (actual)
Steering angle: 0.6459117799010652 (pred)	0.0 (actual)
Steering angle: 0.6952204096232681 (pred)	0.91 (actual)
Steering angle: 0.5047078640948066 (pred)	1.21 (actual)
Steering angle: 0.42436200101041943 (pred)	1.51 (actual)
Steering angle: 1.0196584506236936 (pred)	1.6100000000000003 (actual)
Steering angle: 1.2647685401694753 (pred)	1.6100000000000003 (actual)
Steering angle: 0.4925042370386979 (pred)	1.6100000000000003 (actual)
Steering angle: 0.1830021122057979 (pred)	1.82 (actual)
Steering angle: 0.08016294208067777 (pred)	2.02 (actual)

Steering angle: 0.9141988357348158 (pred)	2.02 (actual)
Steering angle: 1.0773105833038903 (pred)	2.12 (actual)
Steering angle: 0.7733443267932856 (pred)	2.12 (actual)
Steering angle: 1.7966336632910755 (pred)	2.22 (actual)
Steering angle: 4.927867934269249 (pred)	2.42 (actual)
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Steering angle: 13.457537943375401 (pred)	2.42 (actual)
Steering angle: 10.221713625967059 (pred)	2.32 (actual)
Steering angle: 7.285317117809258 (pred)	2.32 (actual)
Steering angle: 3.993612888366925 (pred)	2.22 (actual)
Steering angle: 3.450578911848473 (pred)	2.22 (actual)
Steering angle: 3.3312992629477205 (pred)	2.12 (actual)
Steering angle: 3.4753887202348976 (pred)	1.92 (actual)
Steering angle: 3.056224493182858 (pred)	1.92 (actual)
Steering angle: 3.021557654607047 (pred)	1.92 (actual)
Steering angle: 2.6649101490281337 (pred)	1.92 (actual)
Steering angle: 2.6291771606115657 (pred)	1.92 (actual)
Steering angle: 2.037130386939337 (pred)	1.82 (actual)
Steering angle: 1.7469690099583857 (pred)	1.71 (actual)
Steering angle: 1.6972708460100805 (pred)	1.51 (actual)
Steering angle: 2.232753408070849 (pred)	1.01 (actual)
Steering angle: 1.5060994006701243 (pred)	0.81 (actual)
Steering angle: 1.1163579210152068 (pred)	0.61 (actual)
Steering angle: 1.085731139333458 (pred)	0.61 (actual)
Steering angle: 1.4593777050960635 (pred)	0.61 (actual)
Steering angle: 1.5516435289425923 (pred)	0.61 (actual)
Steering angle: 2.0525047158742122 (pred)	0.5 (actual)
Steering angle: 1.962712487724286 (pred)	0.61 (actual)
Steering angle: 2.0178062876734897 (pred)	0.4 (actual)
Steering angle: 1.728324514514955 (pred)	0.3 (actual)
Steering angle: 1.4513430547546013 (pred)	0.2 (actual)
Steering angle: 1.434827443898099 (pred)	0.2 (actual)
Steering angle: 1.5491189202706264 (pred)	0.2 (actual)
Steering angle: 1.7900459458365983 (pred)	0.2 (actual)
Steering angle: 1.7970923531825242 (pred)	0.2 (actual)
Steering angle: 1.8519648123139374 (pred)	0.2 (actual)
Steering angle: 1.7302747469664053 (pred)	0.0 (actual)
Steering angle: 1.367494585286467 (pred)	0.0 (actual)
Steering angle: 1.5217488581625043 (pred)	0.0 (actual)
Steering angle: 1.4980436194309172 (pred)	0.0 (actual)
Steering angle: 1.2471110070611113 (pred)	0.0 (actual)
Steering angle: 1.6700036636263318 (pred)	-0.1 (actual)
Steering angle: 2.19661743849325 (pred)	-0.3 (actual)
Steering angle: 2.2579747353547672 (pred)	-0.3 (actual)
Steering angle: 2.0394065474802434 (pred)	-0.3 (actual)
Steering angle: 1.9215307158973403 (pred)	-0.3 (actual)
Steering angle: 1.4334421961570558 (pred)	-0.3 (actual)



Steering angle: 1.0141370964533845 (pred)	-0.3 (actual)
Steering angle: 1.8975268698329768 (pred)	-0.3 (actual)
Steering angle: 1.985121698060863 (pred)	-0.3 (actual)
Steering angle: 1.748366850860711 (pred)	-0.3 (actual)
Steering angle: 0.7123174403328679 (pred)	-0.3 (actual)
Steering angle: 0.33929498310567247 (pred)	-0.4 (actual)
Steering angle: 0.3079890244883306 (pred)	-0.5 (actual)
Steering angle: 0.4080880080958062 (pred)	0.0 (actual)
Steering angle: 0.20119645549424248 (pred)	0.0 (actual)
Steering angle: 0.2178230569247576 (pred)	-0.5 (actual)
Steering angle: 0.4075586684351302 (pred)	-0.5 (actual)
Steering angle: 1.2017880061630224 (pred)	-0.5 (actual)
Steering angle: 1.2028466854843742 (pred)	-0.5 (actual)
Steering angle: 1.542402282995565 (pred)	-0.5 (actual)
Steering angle: 0.5258613868411592 (pred)	-0.61 (actual)
Steering angle: 0.32943966046357875 (pred)	-0.71 (actual)
Steering angle: 0.3499169944821001 (pred)	-0.71 (actual)
Steering angle: 0.257923310985314 (pred)	-0.71 (actual)
Steering angle: 0.34563318521203273 (pred)	-0.71 (actual)
Steering angle: 0.4740445835896806 (pred)	-0.71 (actual)
Steering angle: 0.3959055119374422 (pred)	-0.71 (actual)
Steering angle: 0.4477340545765568 (pred)	-0.61 (actual)
Steering angle: 0.7735541416668519 (pred)	-0.61 (actual)
Steering angle: 0.9429985418135861 (pred)	-0.61 (actual)
Steering angle: 0.5286969825637723 (pred)	-0.61 (actual)
Steering angle: -0.015912633218837208 (pred)	-0.61 (actual)
Steering angle: -9.623911564145448 (pred)	-0.61 (actual)
Steering angle: -12.164757303315824 (pred)	-0.4 (actual)
Steering angle: -1.4542002082617822 (pred)	-0.4 (actual)
Steering angle: -0.37876899419670335 (pred)	-0.4 (actual)
Steering angle: -0.026334221231807287 (pred)	-0.3 (actual)
Steering angle: 0.07697537817239745 (pred)	-0.3 (actual)
Steering angle: 0.17102708304347303 (pred)	-0.3 (actual)
Steering angle: 0.12173061959572913 (pred)	-0.3 (actual)
Steering angle: 0.05731254421240012 (pred)	-0.3 (actual)
Steering angle: 0.06625667693053182 (pred)	-0.3 (actual)
Steering angle: 0.14513319556972 (pred)	-0.4 (actual)
Steering angle: 0.12449022946382585 (pred)	-0.4 (actual)
Steering angle: -0.1786435977416835 (pred)	-0.4 (actual)
Steering angle: -0.3294106321596062 (pred)	-0.4 (actual)
Steering angle: -0.4202649547254696 (pred)	-0.4 (actual)
Steering angle: -0.5094753361354755 (pred)	-0.4 (actual)
Steering angle: -0.5415917393865217 (pred)	-0.4 (actual)
Steering angle: -0.1682792125630123 (pred)	-0.4 (actual)
Steering angle: -0.2194458671828703 (pred)	-0.4 (actual)
Steering angle: -0.5256219033333857 (pred)	-0.1 (actual)
Steering angle: -0.5313588353493732 (pred)	-0.1 (actual)
Steering angle: -0.5951741465384486 (pred)	0.2 (actual)

Steering angle: -0.5402709515557704 (pred)	0.5 (actual)
Steering angle: -0.8931744462524587 (pred)	0.5 (actual)
Steering angle: -0.6436505603989678 (pred)	0.61 (actual)
Steering angle: -0.8335101825314586 (pred)	1.11 (actual)
Steering angle: -0.5724253477340749 (pred)	1.6100000000000003 (actual)
Steering angle: -0.619564325177741 (pred)	1.71 (actual)
Steering angle: -0.8127361621708648 (pred)	1.71 (actual)
Steering angle: -1.017226476392346 (pred)	1.71 (actual)
Steering angle: -1.0831728066024653 (pred)	1.71 (actual)
Steering angle: -1.1930513404409298 (pred)	1.71 (actual)
Steering angle: -1.1927960621207006 (pred)	1.82 (actual)
Steering angle: -0.8316399913593444 (pred)	1.92 (actual)
Steering angle: -0.40263452893037416 (pred)	1.92 (actual)
Steering angle: -0.29544282075666345 (pred)	1.41 (actual)
Steering angle: -0.2640508444444617 (pred)	2.02 (actual)
Steering angle: -0.14895618051422307 (pred)	2.62 (actual)
Steering angle: -0.2222641739891468 (pred)	2.62 (actual)
Steering angle: -0.2069355219443457 (pred)	2.42 (actual)
Steering angle: -0.23664983304166304 (pred)	2.22 (actual)
Steering angle: -0.26446236334195494 (pred)	1.71 (actual)
Steering angle: -0.29410282301887153 (pred)	0.91 (actual)
Steering angle: -0.39175446446936696 (pred)	0.1 (actual)
Steering angle: -0.667839675344568 (pred)	-0.3 (actual)
Steering angle: -0.6933529932155044 (pred)	-0.4 (actual)
Steering angle: -0.4197757424261674 (pred)	-0.4 (actual)
Steering angle: -0.16891442015582347 (pred)	-0.4 (actual)
Steering angle: -0.09880551653340446 (pred)	-0.4 (actual)
Steering angle: -0.02637349481953486 (pred)	-0.4 (actual)
Steering angle: 0.042740335618177916 (pred)	-0.3 (actual)
Steering angle: 0.059369925256454896 (pred)	-0.2 (actual)
Steering angle: 0.08590072787031161 (pred)	0.0 (actual)
Steering angle: 0.15072135752784824 (pred)	0.2 (actual)
Steering angle: 0.11969052746801094 (pred)	0.2 (actual)
Steering angle: 0.07656215172761167 (pred)	0.4 (actual)
Steering angle: -0.008691415718841225 (pred)	0.4 (actual)
Steering angle: 0.013972859494553585 (pred)	0.4 (actual)
Steering angle: 0.1316115554472104 (pred)	0.4 (actual)
Steering angle: 0.19389220850714853 (pred)	0.4 (actual)
Steering angle: 0.17593649495283126 (pred)	0.4 (actual)
Steering angle: 0.10085265229370421 (pred)	0.0 (actual)
Steering angle: 0.03312214860633059 (pred)	1.21 (actual)
Steering angle: 0.12464262805968175 (pred)	1.31 (actual)
Steering angle: 0.08755939662156689 (pred)	1.31 (actual)
Steering angle: 0.1866564768551663 (pred)	1.31 (actual)
Steering angle: 0.27842881953416165 (pred)	1.31 (actual)
Steering angle: 0.48231743677844696 (pred)	1.11 (actual)
Steering angle: 0.6889150778022886 (pred)	0.0 (actual)
Steering angle: 0.5803840122210207 (pred)	1.01 (actual)

Steering angle: 0.343153399656495 (pred)	1.01 (actual)
Steering angle: 0.21582181149794386 (pred)	0.91 (actual)
Steering angle: 0.263028663946487 (pred)	0.81 (actual)
Steering angle: 0.4050176246204739 (pred)	0.81 (actual)
Steering angle: 1.1083315949667956 (pred)	0.81 (actual)
Steering angle: 1.3191473046899433 (pred)	0.61 (actual)
Steering angle: 1.4480615757452333 (pred)	0.5 (actual)
Steering angle: 1.1877718176559215 (pred)	0.5 (actual)
Steering angle: 0.5675044098804922 (pred)	0.4 (actual)
Steering angle: 0.4843592364534577 (pred)	0.0 (actual)
Steering angle: 0.46143904258959895 (pred)	-0.3 (actual)
Steering angle: 0.2858316773773977 (pred)	-0.61 (actual)
Steering angle: 0.37106133916175554 (pred)	-0.81 (actual)
Steering angle: 0.7318857188615429 (pred)	-0.81 (actual)
Steering angle: 0.853478667456814 (pred)	0.0 (actual)
Steering angle: 0.4849901751780376 (pred)	-0.81 (actual)
Steering angle: 0.4774142147280241 (pred)	-0.91 (actual)
Steering angle: 0.4108006604133591 (pred)	-0.91 (actual)
Steering angle: 0.5288615474340873 (pred)	-0.91 (actual)
Steering angle: 0.5586157724493669 (pred)	-1.01 (actual)
Steering angle: 0.45546753626430375 (pred)	-1.21 (actual)
Steering angle: 0.3320767538134384 (pred)	-1.6100000000000003 (actual)
Steering angle: 0.3354312304695609 (pred)	-2.22 (actual)
Steering angle: 0.413282793846424 (pred)	-2.92 (actual)
Steering angle: 0.36689428343781305 (pred)	-3.13 (actual)
Steering angle: 0.4780504895378931 (pred)	-3.23 (actual)
Steering angle: 0.5639446006624462 (pred)	-3.23 (actual)
Steering angle: 0.8775228543259629 (pred)	-3.23 (actual)
Steering angle: 1.1317668277827557 (pred)	-3.23 (actual)
Steering angle: 1.84872303377912 (pred)	-3.23 (actual)
Steering angle: 2.269912198476657 (pred)	-3.23 (actual)
Steering angle: 2.747543912041064 (pred)	-3.23 (actual)
Steering angle: 3.113846743785436 (pred)	-3.23 (actual)
Steering angle: 2.8629369698606673 (pred)	-3.23 (actual)
Steering angle: 2.6448716546637856 (pred)	-3.23 (actual)
Steering angle: 1.8546665790175005 (pred)	-3.23 (actual)
Steering angle: 1.1541694213735743 (pred)	-3.23 (actual)
Steering angle: 0.9226569578048187 (pred)	-3.23 (actual)
Steering angle: 1.8481875042595088 (pred)	-3.23 (actual)
Steering angle: 2.7370104796804346 (pred)	-3.23 (actual)
Steering angle: 3.07140714993415 (pred)	-3.23 (actual)
Steering angle: 3.596326824443494 (pred)	-3.23 (actual)
Steering angle: 4.507732753138009 (pred)	-3.23 (actual)
Steering angle: 4.593310754570037 (pred)	-3.23 (actual)
Steering angle: 4.374340866194952 (pred)	-3.4300000000000006 (actual)
Steering angle: 2.949954433660276 (pred)	-3.4300000000000006 (actual)
Steering angle: 2.5862468603570967 (pred)	-3.4300000000000006 (actual)
Steering angle: 2.0886961807388174 (pred)	-3.4300000000000006 (actual)

Steering angle: 1.5538057107017245 (pred)	-3.4300000000000006 (actual)
Steering angle: 1.6063503559866326 (pred)	-3.63 (actual)
Steering angle: 1.9801954241219915 (pred)	-3.7300000000000004 (actual)
Steering angle: 2.503937317886331 (pred)	-3.7300000000000004 (actual)
Steering angle: 2.787591018692141 (pred)	-3.7300000000000004 (actual)
Steering angle: 2.8358629537643827 (pred)	-3.8299999999999999 (actual)
Steering angle: 2.811746409578714 (pred)	-3.9300000000000006 (actual)
Steering angle: 2.605210026813991 (pred)	-4.03 (actual)
Steering angle: 1.932079516183602 (pred)	-4.03 (actual)
Steering angle: 1.7177349465370848 (pred)	-4.03 (actual)
Steering angle: 1.5803275486922956 (pred)	-4.03 (actual)
Steering angle: 1.2225022623683786 (pred)	-4.03 (actual)
Steering angle: 1.1995528267571356 (pred)	-4.03 (actual)
Steering angle: 1.1804748277448207 (pred)	-4.03 (actual)
Steering angle: 1.548375923754976 (pred)	-3.8299999999999999 (actual)
Steering angle: 0.7478367718944614 (pred)	-3.53 (actual)
Steering angle: 0.6787991407546766 (pred)	-3.03 (actual)
Steering angle: 0.5074508253768014 (pred)	-2.82 (actual)
Steering angle: 0.497956222100249 (pred)	-2.7200000000000006 (actual)
Steering angle: 0.3882347826126948 (pred)	-2.52 (actual)
Steering angle: 0.5345570714282317 (pred)	-2.52 (actual)
Steering angle: 0.9567137751103832 (pred)	-2.52 (actual)
Steering angle: 1.147576367833808 (pred)	-2.52 (actual)
Steering angle: 1.7471179934596566 (pred)	-2.82 (actual)
Steering angle: 1.8232733220448294 (pred)	-3.13 (actual)
Steering angle: 1.0910198401851636 (pred)	-3.3299999999999996 (actual)
Steering angle: 0.7712286756978741 (pred)	-3.4300000000000006 (actual)
Steering angle: 0.6707811389993164 (pred)	-3.4300000000000006 (actual)
Steering angle: 0.9728582078741778 (pred)	-3.53 (actual)
Steering angle: 0.9402530192106525 (pred)	-3.53 (actual)
Steering angle: 1.0878000463217374 (pred)	-3.63 (actual)
Steering angle: 1.2902487743116193 (pred)	-3.8299999999999999 (actual)
Steering angle: 1.7303189297525987 (pred)	-4.13 (actual)
Steering angle: 2.206776491109998 (pred)	-4.34 (actual)
Steering angle: 4.137262011896048 (pred)	-4.74 (actual)
Steering angle: 7.003769036258516 (pred)	-5.3400000000000001 (actual)
Steering angle: 8.229428553570733 (pred)	-6.25 (actual)
Steering angle: 7.874370561077729 (pred)	-7.87 (actual)
Steering angle: 9.014586119420379 (pred)	-9.28 (actual)
Steering angle: 10.467395530412418 (pred)	-10.08 (actual)
Steering angle: 8.647344776995364 (pred)	-10.99 (actual)
Steering angle: 7.316864054038255 (pred)	-12.2 (actual)
Steering angle: 6.7534182706286305 (pred)	-13.71 (actual)
Steering angle: 6.084814467870667 (pred)	0.0 (actual)
Steering angle: 6.093100767994362 (pred)	-15.43 (actual)
Steering angle: 5.529735666194309 (pred)	-15.53 (actual)
Steering angle: 5.599952572182979 (pred)	-15.929999999999998 (actual)
Steering angle: 5.810623780716499 (pred)	-16.64 (actual)

Steering angle: 5.896592383591687 (pred)	-17.140000000000004 (actual)
Steering angle: 6.648058333812953 (pred)	-18.149999999999995 (actual)
Steering angle: 7.3092236336779495 (pred)	0.0 (actual)
Steering angle: 8.258666885860265 (pred)	-20.17 (actual)
Steering angle: 8.94816167596836 (pred)	-20.469999999999995 (actual)
Steering angle: 9.216306365046597 (pred)	-20.469999999999995 (actual)
Steering angle: 9.518097419749964 (pred)	-20.469999999999995 (actual)
Steering angle: 10.705402009777973 (pred)	-20.469999999999995 (actual)
Steering angle: 11.611374522987743 (pred)	-20.469999999999995 (actual)
Steering angle: 13.044433588221045 (pred)	-20.370000000000005 (actual)
Steering angle: 12.567767492650548 (pred)	-19.76 (actual)
Steering angle: 11.613857296751045 (pred)	-18.35 (actual)
Steering angle: 11.776778652797004 (pred)	-17.239999999999995 (actual)
Steering angle: 12.534314933643119 (pred)	-15.83 (actual)
Steering angle: 12.70328100710454 (pred)	-14.32 (actual)
Steering angle: 13.122421541937896 (pred)	-12.910000000000002 (actual)
Steering angle: 12.688755756060862 (pred)	-11.699999999999998 (actual)
Steering angle: 12.699544039854898 (pred)	-9.88 (actual)
Steering angle: 11.251527714112916 (pred)	-7.659999999999998 (actual)
Steering angle: 11.04404193505356 (pred)	-5.04 (actual)
Steering angle: 11.05316877533199 (pred)	-3.23 (actual)
Steering angle: 11.468384512713527 (pred)	-1.01 (actual)
Steering angle: 8.115506120856798 (pred)	0.61 (actual)
Steering angle: -4.344039585715837 (pred)	2.52 (actual)
Steering angle: -6.936417394626667 (pred)	3.829999999999999 (actual)
Steering angle: -8.43780908741136 (pred)	5.04 (actual)
Steering angle: -7.545451702538363 (pred)	5.849999999999999 (actual)
Steering angle: -4.338104151327096 (pred)	6.35 (actual)
Steering angle: -4.264094782801776 (pred)	7.87 (actual)
Steering angle: -4.182328026926616 (pred)	9.08 (actual)
Steering angle: -3.437707206914172 (pred)	10.89 (actual)
Steering angle: -3.428303743974357 (pred)	12.300000000000002 (actual)
Steering angle: -2.9052243785595087 (pred)	14.12 (actual)
Steering angle: -3.054536582684219 (pred)	15.83 (actual)
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Steering angle: -5.222821115839786 (pred)	18.96 (actual)
Steering angle: -4.487279751668406 (pred)	20.57 (actual)
Steering angle: -5.156957601673353 (pred)	21.479999999999997 (actual)
Steering angle: -6.365786679097012 (pred)	22.08 (actual)
Steering angle: -5.483560172310439 (pred)	22.179999999999996 (actual)
Steering angle: -4.1610391810573315 (pred)	22.179999999999996 (actual)
Steering angle: -2.5658711254024795 (pred)	22.179999999999996 (actual)
Steering angle: -5.394688312151171 (pred)	0.0 (actual)
Steering angle: -7.180669228214554 (pred)	22.39 (actual)
Steering angle: -8.733061089758086 (pred)	22.39 (actual)
Steering angle: -10.327235779775524 (pred)	22.29 (actual)
Steering angle: -3.9469247034084796 (pred)	22.39 (actual)

Steering angle: -0.9803682143100183 (pred)	22.59 (actual)
Steering angle: 6.696682877401097 (pred)	22.59 (actual)
Steering angle: 10.326910492016303 (pred)	22.59 (actual)
Steering angle: 9.78842435426802 (pred)	22.59 (actual)
Steering angle: 8.233667539724372 (pred)	22.59 (actual)
Steering angle: 8.585096994220807 (pred)	21.88 (actual)
Steering angle: 9.900242234943946 (pred)	21.18 (actual)
Steering angle: 2.397175057856685 (pred)	19.97 (actual)
Steering angle: -0.6575918302686101 (pred)	18.760000000000005 (actual)
Steering angle: -2.1351461628499586 (pred)	17.239999999999995 (actual)
Steering angle: -2.5606451769137735 (pred)	15.63 (actual)
Steering angle: -4.7935795849976275 (pred)	14.920000000000002 (actual)
Steering angle: -4.746523850484471 (pred)	14.62 (actual)
Steering angle: -6.533107530742107 (pred)	14.12 (actual)
Steering angle: -5.438199178485091 (pred)	13.21 (actual)
Steering angle: -2.880685216418945 (pred)	12.100000000000001 (actual)
Steering angle: -3.0499718818845345 (pred)	11.290000000000001 (actual)
Steering angle: -5.640560608119644 (pred)	10.49 (actual)
Steering angle: -5.014169935753298 (pred)	9.88 (actual)
Steering angle: 2.999211196633469 (pred)	9.48 (actual)
Steering angle: 11.8456687945394 (pred)	8.87 (actual)
Steering angle: 18.089021771442994 (pred)	8.17 (actual)
Steering angle: 9.394453066526163 (pred)	0.0 (actual)
Steering angle: 11.405179649681521 (pred)	5.24 (actual)
Steering angle: 25.211980170039173 (pred)	3.03 (actual)
Steering angle: 21.73315650498199 (pred)	1.51 (actual)
Steering angle: 17.029618450038996 (pred)	0.4 (actual)
Steering angle: -6.959974717074041 (pred)	-0.3 (actual)
Steering angle: -0.8756191525382334 (pred)	-0.91 (actual)
Steering angle: -4.183493427953748 (pred)	-1.41 (actual)
Steering angle: -3.6363858839256187 (pred)	-1.92 (actual)
Steering angle: -4.510195036333799 (pred)	-2.52 (actual)
Steering angle: -9.623064620688366 (pred)	-3.53 (actual)
Steering angle: -12.825904247047426 (pred)	-4.24 (actual)
Steering angle: -3.917917743777082 (pred)	-4.74 (actual)
Steering angle: -4.062294282452811 (pred)	-4.74 (actual)
Steering angle: -1.2189364767348088 (pred)	-4.74 (actual)
Steering angle: -0.838982017830285 (pred)	-4.74 (actual)
Steering angle: -2.028097461761995 (pred)	-4.74 (actual)
Steering angle: -5.244790419305133 (pred)	-4.74 (actual)
Steering angle: 0.3963434978179693 (pred)	-4.74 (actual)
Steering angle: 0.20146496730598862 (pred)	-4.74 (actual)
Steering angle: 0.6596684212197056 (pred)	-4.74 (actual)
Steering angle: 0.10549376583472787 (pred)	-4.54 (actual)
Steering angle: -4.204947052136759 (pred)	-4.24 (actual)
Steering angle: -7.264607130472133 (pred)	-4.03 (actual)
Steering angle: -8.880045906923113 (pred)	-4.03 (actual)
Steering angle: -7.69972774664238 (pred)	-3.63 (actual)

Steering angle: -11.645203596173172 (pred)	-3.3299999999999996 (actual)
Steering angle: -12.52544081036398 (pred)	-3.03 (actual)
Steering angle: -21.034663794416055 (pred)	-2.32 (actual)
Steering angle: -20.477153018508346 (pred)	0.0 (actual)
Steering angle: -11.008145022096912 (pred)	-1.11 (actual)
Steering angle: -6.128342836564336 (pred)	0.0 (actual)
Steering angle: 0.9533526817085023 (pred)	1.21 (actual)
Steering angle: 6.948049206783199 (pred)	2.02 (actual)
Steering angle: 6.3790807885427965 (pred)	2.12 (actual)
Steering angle: 6.144912021717141 (pred)	2.12 (actual)
Steering angle: -2.2840152584522637 (pred)	2.12 (actual)
Steering angle: -4.051119239197024 (pred)	1.82 (actual)
Steering angle: -3.6577575458385887 (pred)	1.01 (actual)
Steering angle: 0.24456943738429282 (pred)	0.0 (actual)
Steering angle: -0.0850896429063726 (pred)	1.01 (actual)
Steering angle: -0.6861164077898759 (pred)	1.01 (actual)
Steering angle: -1.505053527953466 (pred)	1.01 (actual)
Steering angle: -3.493413802897973 (pred)	1.01 (actual)
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Steering angle: -2.4971700945227293 (pred)	1.01 (actual)
Steering angle: -1.1271109866463342 (pred)	1.01 (actual)
Steering angle: -1.1454269926793696 (pred)	1.01 (actual)
Steering angle: -1.759756831631942 (pred)	1.01 (actual)
Steering angle: -4.4816892418327505 (pred)	1.01 (actual)
Steering angle: -5.296390790937286 (pred)	1.01 (actual)
Steering angle: -10.021425158745604 (pred)	1.01 (actual)
Steering angle: -11.093015245176197 (pred)	1.01 (actual)
Steering angle: -12.744389354397908 (pred)	1.01 (actual)
Steering angle: -11.239116406617356 (pred)	1.01 (actual)
Steering angle: -12.944039198931966 (pred)	1.01 (actual)
Steering angle: -10.712235614042571 (pred)	0.91 (actual)
Steering angle: -10.282171045405427 (pred)	0.5 (actual)
Steering angle: -10.168052244752854 (pred)	0.0 (actual)
Steering angle: -10.262111633586745 (pred)	-1.11 (actual)
Steering angle: -12.509883346981983 (pred)	-2.02 (actual)
Steering angle: -13.483716350916769 (pred)	-3.63 (actual)
Steering angle: -11.153090174021045 (pred)	-4.54 (actual)
Steering angle: -11.190190054045262 (pred)	-5.340000000000001 (actual)
Steering angle: -7.012934296351027 (pred)	-7.559999999999999 (actual)
Steering angle: -7.867702588900504 (pred)	-9.88 (actual)
Steering angle: -6.14880010690217 (pred)	-13.82 (actual)
Steering angle: -6.32629196399506 (pred)	-16.24 (actual)
Steering angle: -8.998862170177363 (pred)	-19.16 (actual)
Steering angle: -5.847662189038186 (pred)	-23.189999999999998 (actual)
Steering angle: -1.4597719350772203 (pred)	-26.520000000000003 (actual)
Steering angle: 2.184839417599798 (pred)	-32.57 (actual)
Steering angle: 2.170121427155478 (pred)	-36.1 (actual)
Steering angle: 1.1487611922113936 (pred)	-40.740000000000001 (actual)

Steering angle: 0.1377446384350587 (pred)	-43.25999999999999 (actual)
Steering angle: 0.8356802616968185 (pred)	-46.29 (actual)
Steering angle: 1.16245038541198 (pred)	-51.73 (actual)
Steering angle: 1.5943488598412738 (pred)	-56.37 (actual)
Steering angle: 2.2274647072191436 (pred)	-61.92 (actual)
Steering angle: 1.6734428773168446 (pred)	-67.26 (actual)
Steering angle: 2.486656298955964 (pred)	-76.94 (actual)
Steering angle: 2.4856981514814582 (pred)	-86.02 (actual)
Steering angle: 2.7065512510767626 (pred)	-95.29000000000002 (actual)
Steering angle: 2.4992836111840253 (pred)	-103.46 (actual)
Steering angle: 2.0049608362788116 (pred)	-109.92 (actual)
Steering angle: 2.228966921949723 (pred)	-113.94999999999999 (actual)
Steering angle: 2.496090711190456 (pred)	-118.69 (actual)
Steering angle: 2.0103835795929785 (pred)	-121.71 (actual)
Steering angle: 1.9679742947061345 (pred)	-124.63999999999997 (actual)
Steering angle: 2.2924556647191072 (pred)	-127.76000000000002 (actual)
Steering angle: 2.100173673308789 (pred)	-130.79 (actual)
Steering angle: 2.223058381430839 (pred)	-133.82 (actual)
Steering angle: 1.939267009624571 (pred)	-134.82 (actual)
Steering angle: 2.309825689552096 (pred)	-135.13 (actual)
Steering angle: 2.6207128486826274 (pred)	-135.53 (actual)
Steering angle: 2.6124026428968374 (pred)	-137.64999999999998 (actual)
Steering angle: 2.6973919673997755 (pred)	-140.87 (actual)
Steering angle: 2.9559090779560577 (pred)	-144.71 (actual)
Steering angle: 4.458462756673299 (pred)	-147.93 (actual)
Steering angle: 4.630839655851496 (pred)	-150.45 (actual)
Steering angle: 4.202939830294421 (pred)	-152.67 (actual)
Steering angle: 2.3647348609502976 (pred)	-154.18 (actual)
Steering angle: 1.249806583905739 (pred)	-154.89 (actual)
Steering angle: 1.3320021475947303 (pred)	-155.39 (actual)
Steering angle: 1.6431082996655255 (pred)	-155.39 (actual)
Steering angle: 1.682557551320815 (pred)	-155.39 (actual)
Steering angle: 1.9779719841037406 (pred)	-155.39 (actual)
Steering angle: 2.1815592192508992 (pred)	-155.29 (actual)
Steering angle: 2.650889051322567 (pred)	0.0 (actual)
Steering angle: 2.698282026425993 (pred)	-152.47 (actual)
Steering angle: 2.130788075272667 (pred)	-150.25000000000003 (actual)
Steering angle: 2.1022470626087113 (pred)	-148.24 (actual)
Steering angle: 1.9344794739032152 (pred)	-146.52 (actual)
Steering angle: 1.8850989137513154 (pred)	-144.4 (actual)
Steering angle: 1.2755250208951874 (pred)	-144.2 (actual)
Steering angle: 1.622292657839677 (pred)	-142.99 (actual)
Steering angle: 2.1059475310349773 (pred)	-141.48 (actual)
Steering angle: 2.4553076516563097 (pred)	-140.26999999999998 (actual)
Steering angle: 2.577991936414902 (pred)	-138.86 (actual)
Steering angle: 2.253609817588306 (pred)	-137.85 (actual)
Steering angle: 1.9091499308096345 (pred)	-137.34 (actual)
Steering angle: 1.6264010166254397 (pred)	-136.93999999999997 (actual)



Steering angle: 0.8724187820252594 (pred)	-136.74 (actual)
Steering angle: 0.6627706077633607 (pred)	-135.93 (actual)
Steering angle: 0.6077406273942143 (pred)	-135.13 (actual)
Steering angle: 0.5433859447041194 (pred)	-134.72 (actual)
Steering angle: 0.7023114266422108 (pred)	-134.62 (actual)
Steering angle: 1.0421391645031444 (pred)	-134.72 (actual)
Steering angle: 1.5650076478273685 (pred)	-134.82 (actual)
Steering angle: 1.7547703666510097 (pred)	-134.82 (actual)
Steering angle: 1.934235934970622 (pred)	-134.72 (actual)
Steering angle: 1.9338195068746626 (pred)	-134.72 (actual)
Steering angle: 1.811235540519505 (pred)	0.0 (actual)
Steering angle: 1.812416309472271 (pred)	-134.72 (actual)
Steering angle: 2.061027511297919 (pred)	-134.72 (actual)
Steering angle: 2.200758881007805 (pred)	-134.72 (actual)
Steering angle: 2.2724355264881537 (pred)	-135.13 (actual)
Steering angle: 2.3174686712333403 (pred)	-135.93 (actual)
Steering angle: 2.4922623901606635 (pred)	-138.35 (actual)
Steering angle: 2.6462942550018522 (pred)	-140.57 (actual)
Steering angle: 2.6748041049277202 (pred)	-143.5 (actual)
Steering angle: 2.5661547916964467 (pred)	-144.4 (actual)
Steering angle: 1.065488593067656 (pred)	-144.4 (actual)
Steering angle: -0.33335976216034297 (pred)	-144.3 (actual)
Steering angle: -0.9806900869746552 (pred)	-144.3 (actual)
Steering angle: -0.9774094617389334 (pred)	-145.11 (actual)
Steering angle: -0.9954351847322433 (pred)	-146.52 (actual)
Steering angle: -0.901516668549983 (pred)	-147.62999999999997 (actual)
Steering angle: 4.114149505518371 (pred)	-148.13 (actual)
Steering angle: 3.7675925372210943 (pred)	-148.13 (actual)
Steering angle: 7.594747739099285 (pred)	-148.43999999999997 (actual)
Steering angle: 8.793211150683803 (pred)	-148.94 (actual)
Steering angle: 10.584783430356488 (pred)	-149.14 (actual)
Steering angle: 12.143851801813707 (pred)	-149.14 (actual)
Steering angle: 18.06417695833707 (pred)	-149.04 (actual)
Steering angle: 21.085422345233003 (pred)	-148.94 (actual)
Steering angle: 16.254518337742194 (pred)	-148.84 (actual)
Steering angle: 12.8837405813918 (pred)	-147.83 (actual)
Steering angle: 45.270159139575185 (pred)	-146.41999999999996 (actual)
Steering angle: 8.150591948849508 (pred)	-143.8 (actual)
Steering angle: -7.749844259677349 (pred)	-140.17 (actual)
Steering angle: -14.257680944264056 (pred)	-136.02999999999997 (actual)
Steering angle: -23.57467795805498 (pred)	-131.6 (actual)
Steering angle: -26.048582720717356 (pred)	-127.97000000000001 (actual)
Steering angle: -30.53562768463304 (pred)	-122.22 (actual)
Steering angle: -31.12880229329197 (pred)	-117.98000000000002 (actual)
Steering angle: -20.243686907393556 (pred)	-112.13 (actual)
Steering angle: -13.227855757060798 (pred)	-106.08000000000001 (actual)
Steering angle: -10.427278414322348 (pred)	-100.24 (actual)
Steering angle: -10.538820526110534 (pred)	-93.58 (actual)

Steering angle: -7.66454202713306 (pred)	-89.55 (actual)
Steering angle: -8.1078639929492 (pred)	-84.71 (actual)
Steering angle: -7.601403758445462 (pred)	-78.66 (actual)
Steering angle: -7.905634898229816 (pred)	-74.52 (actual)
Steering angle: -10.057058255645561 (pred)	-68.37 (actual)
Steering angle: -10.081848427238123 (pred)	-64.33999999999999 (actual)
Steering angle: -10.708398755276317 (pred)	-59.089999999999996 (actual)
Steering angle: -10.714511774583478 (pred)	-55.56 (actual)
Steering angle: -12.094010203892832 (pred)	-50.62 (actual)
Steering angle: -12.20504858922973 (pred)	-43.76 (actual)
Steering angle: -11.52077804006305 (pred)	-39.53 (actual)
Steering angle: -10.970150387291424 (pred)	-36.71 (actual)
Steering angle: -12.281080547523018 (pred)	-32.67 (actual)
Steering angle: -12.08684021281161 (pred)	-29.450000000000003 (actual)
Steering angle: -11.455083573078573 (pred)	-25.210000000000004 (actual)
Steering angle: -10.924079053792395 (pred)	-20.469999999999995 (actual)
Steering angle: -8.914941343392709 (pred)	-16.84 (actual)
Steering angle: -8.2403005071821 (pred)	-14.22 (actual)
Steering angle: -7.37021551541887 (pred)	-12.300000000000002 (actual)
Steering angle: -7.2355122321551715 (pred)	-10.59 (actual)
Steering angle: -7.186152162570782 (pred)	-9.18 (actual)
Steering angle: -7.661506008046989 (pred)	-7.969999999999999 (actual)
Steering angle: -7.380305412370272 (pred)	-7.06 (actual)
Steering angle: -6.252478109634732 (pred)	-5.05 (actual)
Steering angle: -6.259360378997167 (pred)	-5.04 (actual)
Steering angle: -3.7470733682939064 (pred)	-3.63 (actual)
Steering angle: -3.2949498499585586 (pred)	-2.22 (actual)
Steering angle: -4.3483195530044965 (pred)	-2.02 (actual)
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Steering angle: -4.496000195691219 (pred)	-1.82 (actual)
Steering angle: -5.529607600147372 (pred)	-1.82 (actual)
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Steering angle: -4.85967105672761 (pred)	-3.4300000000000006 (actual)
Steering angle: -4.441474795547008 (pred)	-3.829999999999999 (actual)
Steering angle: -3.787105107019351 (pred)	-4.44 (actual)
Steering angle: -3.03789311922419 (pred)	-5.340000000000001 (actual)
Steering angle: -2.553321506576227 (pred)	-5.45 (actual)
Steering angle: -2.462401870326426 (pred)	-5.55 (actual)
Steering angle: -1.9816047909685413 (pred)	0.0 (actual)
Steering angle: -2.7534037874621116 (pred)	-6.25 (actual)
Steering angle: -8.378810767134436 (pred)	-6.76 (actual)
Steering angle: -8.789083155104176 (pred)	0.0 (actual)
Steering angle: -9.64065918799032 (pred)	-7.760000000000002 (actual)
Steering angle: -9.059766967006366 (pred)	-8.17 (actual)
Steering angle: -7.5235361868127315 (pred)	-8.37 (actual)
Steering angle: -6.400469525928691 (pred)	-8.570000000000002 (actual)

Steering angle: -6.688456768319463 (pred)	-8.67 (actual)
Steering angle: -6.4439983215091825 (pred)	-8.67 (actual)
Steering angle: -5.925835411636274 (pred)	-8.469999999999999 (actual)
Steering angle: -5.765473668981776 (pred)	-7.87 (actual)
Steering angle: -4.989911665142352 (pred)	-7.26 (actual)
Steering angle: -4.1930198342986245 (pred)	-6.35 (actual)
Steering angle: -3.795401225539978 (pred)	-5.45 (actual)
Steering angle: -3.9366623441805353 (pred)	-4.44 (actual)
Steering angle: -4.251930215889984 (pred)	-3.3299999999999996 (actual)
Steering angle: -4.259161678673735 (pred)	-2.7200000000000006 (actual)
Steering angle: -3.8058445847809277 (pred)	-2.12 (actual)
Steering angle: -3.5178616112583874 (pred)	-1.6100000000000003 (actual)
Steering angle: -3.014784027941098 (pred)	-1.21 (actual)
Steering angle: -2.399783122902572 (pred)	-1.21 (actual)
Steering angle: -2.4117026567778903 (pred)	-1.21 (actual)
Steering angle: -2.246645585955832 (pred)	-1.21 (actual)
Steering angle: -2.429257950492116 (pred)	-1.21 (actual)
Steering angle: -3.2726164120330865 (pred)	-1.21 (actual)
Steering angle: -3.2005899328011864 (pred)	-1.21 (actual)
Steering angle: -2.782677551357963 (pred)	-1.31 (actual)
Steering angle: -2.777736336380282 (pred)	-1.31 (actual)
Steering angle: -1.651824474820108 (pred)	-1.31 (actual)
Steering angle: -0.7963129723115691 (pred)	-1.31 (actual)
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Steering angle: 3.9132984014640373 (pred)	-1.71 (actual)
Steering angle: 9.85538411379624 (pred)	-2.02 (actual)
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Steering angle: -6.645756986949482 (pred)	-2.22 (actual)
Steering angle: -7.002566069190948 (pred)	-2.52 (actual)
Steering angle: -7.585663587503167 (pred)	-2.52 (actual)
Steering angle: -8.09379892590085 (pred)	-2.52 (actual)
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Steering angle: -7.035741151763346 (pred)	-2.52 (actual)
Steering angle: 1.716749478305899 (pred)	-2.52 (actual)
Steering angle: -0.6768743080692023 (pred)	-2.52 (actual)
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Steering angle: -0.7745682113151873 (pred)	-2.52 (actual)
Steering angle: -1.2724027706708454 (pred)	-2.52 (actual)
Steering angle: -1.751999017395277 (pred)	-2.32 (actual)
Steering angle: -1.314595837381776 (pred)	-2.32 (actual)
Steering angle: -0.4334711254856892 (pred)	-2.32 (actual)
Steering angle: -1.597474098273378 (pred)	-2.32 (actual)
Steering angle: -1.7882212181111472 (pred)	-2.32 (actual)
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Steering angle: -3.1047999447863424 (pred)	-2.32 (actual)
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Steering angle: -2.4841265676421207 (pred)	-2.12 (actual)
Steering angle: -2.878662199764152 (pred)	-1.92 (actual)
Steering angle: -3.725910880924268 (pred)	-1.6100000000000003 (actual)
Steering angle: -3.874598122739922 (pred)	-1.51 (actual)
Steering angle: -0.8834077026261635 (pred)	-1.41 (actual)
Steering angle: 2.165701227545422 (pred)	-1.41 (actual)
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Steering angle: 0.6832863615959635 (pred)	-1.41 (actual)
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Steering angle: -1.1650001804065104 (pred)	-0.71 (actual)
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Steering angle: -1.358663364133052 (pred)	0.4 (actual)
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Steering angle: -1.1598813805104091 (pred)	1.6100000000000003 (actual)
Steering angle: -0.7839409384037372 (pred)	1.71 (actual)
Steering angle: -0.8660299938303586 (pred)	1.92 (actual)
Steering angle: -0.8569428540264797 (pred)	2.42 (actual)
Steering angle: -0.40819131470700265 (pred)	2.82 (actual)
Steering angle: -0.6446076406564158 (pred)	3.53 (actual)
Steering angle: -0.5866739761163677 (pred)	4.34 (actual)
Steering angle: -1.0408239262010937 (pred)	4.64 (actual)
Steering angle: -1.3785567169775372 (pred)	4.74 (actual)
Steering angle: -1.4514839274062328 (pred)	4.74 (actual)
Steering angle: -1.5339187611595861 (pred)	4.94 (actual)
Steering angle: -1.4322206595126812 (pred)	5.24 (actual)
Steering angle: -1.1129140115696394 (pred)	5.65 (actual)
Steering angle: -1.0509787099496102 (pred)	5.849999999999999 (actual)
Steering angle: -0.786342603670643 (pred)	0.0 (actual)
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Steering angle: -1.396978590942708 (pred)	3.23 (actual)
Steering angle: -0.9207940237086978 (pred)	2.92 (actual)
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Steering angle: -1.9906629024684475 (pred)	2.42 (actual)
Steering angle: -2.598415696137121 (pred)	2.42 (actual)
Steering angle: -3.2201293964693 (pred)	0.0 (actual)
Steering angle: -3.1785463510286163 (pred)	2.42 (actual)
Steering angle: -2.67520964740969 (pred)	2.52 (actual)
Steering angle: -2.613898027438247 (pred)	2.52 (actual)

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Steering angle: -2.4619920589762248 (pred)	1.31 (actual)
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Steering angle: -2.712643352929591 (pred)	1.21 (actual)
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Steering angle: -3.2739337847692527 (pred)	1.51 (actual)
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Steering angle: -2.8064376450463215 (pred)	2.22 (actual)
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Steering angle: -2.763066370703564 (pred)	2.32 (actual)
Steering angle: -2.709708506020601 (pred)	2.42 (actual)
Steering angle: -2.526831044767156 (pred)	2.42 (actual)
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Steering angle: -2.720349086973835 (pred)	1.11 (actual)
Steering angle: -2.5562059808400885 (pred)	0.81 (actual)
Steering angle: -2.4950770684289436 (pred)	0.5 (actual)
Steering angle: -2.7615556182365215 (pred)	0.1 (actual)
Steering angle: -2.6753061238317164 (pred)	-0.3 (actual)
Steering angle: -2.614715515704533 (pred)	-1.01 (actual)
Steering angle: -2.434365224443993 (pred)	-2.02 (actual)
Steering angle: -2.3561288225960815 (pred)	-2.7200000000000006 (actual)
Steering angle: -2.2499027324162815 (pred)	-2.82 (actual)
Steering angle: -1.4697832848531664 (pred)	-2.92 (actual)
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Steering angle: -1.780286672729708 (pred)	-2.02 (actual)
Steering angle: -2.164524514017476 (pred)	-1.71 (actual)
Steering angle: -2.2201056052752777 (pred)	-1.51 (actual)
Steering angle: -2.1494434563300877 (pred)	-1.51 (actual)
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Steering angle: -1.0222919154355565 (pred)	-1.21 (actual)
Steering angle: -0.9661887415930719 (pred)	-0.91 (actual)
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Steering angle: -1.5854465620318086 (pred)	-0.5 (actual)
Steering angle: -1.8211158360407516 (pred)	-0.3 (actual)
Steering angle: -1.9892874731243362 (pred)	0.0 (actual)
Steering angle: -2.021524258459504 (pred)	0.2 (actual)
Steering angle: -1.6319358177306773 (pred)	0.5 (actual)
Steering angle: -1.5548993947425729 (pred)	0.71 (actual)
Steering angle: -1.400328371843776 (pred)	0.71 (actual)
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Steering angle: -1.628778989673662 (pred)	1.01 (actual)
Steering angle: -2.066463914990426 (pred)	1.11 (actual)
Steering angle: -2.120899668901781 (pred)	1.31 (actual)
Steering angle: -2.0559731713121097 (pred)	1.41 (actual)
Steering angle: -2.135140186434435 (pred)	1.41 (actual)
Steering angle: -2.188031463819721 (pred)	1.41 (actual)
Steering angle: -1.8208665341360462 (pred)	1.41 (actual)
Steering angle: -1.6665345678582 (pred)	1.41 (actual)
Steering angle: -1.6430600614545123 (pred)	1.41 (actual)
Steering angle: -1.852509519900246 (pred)	1.41 (actual)
Steering angle: -1.9287587635865064 (pred)	1.41 (actual)
Steering angle: -1.4526109086192849 (pred)	1.41 (actual)
Steering angle: -1.20252652036703 (pred)	1.41 (actual)
Steering angle: -0.8401982183893704 (pred)	1.01 (actual)
Steering angle: -0.6650042930653665 (pred)	0.71 (actual)
Steering angle: -0.790204221872639 (pred)	0.2 (actual)
Steering angle: -0.8662097131828946 (pred)	0.0 (actual)
Steering angle: -1.1461565422600917 (pred)	0.0 (actual)
Steering angle: -1.1889920736398265 (pred)	0.0 (actual)
Steering angle: -1.1820146085158354 (pred)	0.0 (actual)
Steering angle: -0.8824484879346 (pred)	0.0 (actual)
Steering angle: -0.5472953742303055 (pred)	0.0 (actual)
Steering angle: -0.3996326607901536 (pred)	0.0 (actual)
Steering angle: -0.082488194606244 (pred)	0.0 (actual)
Steering angle: 0.061164344017464185 (pred)	0.0 (actual)
Steering angle: 0.07217802405410975 (pred)	0.0 (actual)
Steering angle: -0.1772387132067765 (pred)	0.0 (actual)

Steering angle: -0.42669813914997534 (pred)	0.0 (actual)
Steering angle: -0.412987388164821 (pred)	0.0 (actual)
Steering angle: -0.36327172185676754 (pred)	0.0 (actual)
Steering angle: -0.1872299993020358 (pred)	0.0 (actual)
Steering angle: 0.14690712376321927 (pred)	0.4 (actual)
Steering angle: 0.24741058263560656 (pred)	0.81 (actual)
Steering angle: 0.23482147677821524 (pred)	1.01 (actual)
Steering angle: 0.2943245907234854 (pred)	1.11 (actual)
Steering angle: 0.4354074841153878 (pred)	1.51 (actual)
Steering angle: 0.8018377415764631 (pred)	2.22 (actual)
Steering angle: 1.272247170423816 (pred)	3.3299999999999996 (actual)
Steering angle: 1.6212610858315935 (pred)	4.34 (actual)
Steering angle: 2.1020363939614986 (pred)	5.139999999999999 (actual)
Steering angle: 1.7155898402508778 (pred)	5.75 (actual)
Steering angle: 1.5176362305085105 (pred)	6.25 (actual)
Steering angle: 1.5133101594429537 (pred)	6.96 (actual)
Steering angle: 1.5000542563678398 (pred)	7.460000000000001 (actual)
Steering angle: 2.2608918664605975 (pred)	8.27 (actual)
Steering angle: 2.328534431462407 (pred)	9.28 (actual)
Steering angle: 2.5071931836863115 (pred)	9.979999999999999 (actual)
Steering angle: 2.392657528050956 (pred)	10.59 (actual)
Steering angle: 2.406264972424914 (pred)	11.19 (actual)
Steering angle: 2.434439289307805 (pred)	11.6 (actual)
Steering angle: 2.548047746763331 (pred)	11.8 (actual)
Steering angle: 2.5121544623446797 (pred)	12.0 (actual)
Steering angle: 2.703396557453863 (pred)	12.4 (actual)
Steering angle: 2.841407359823141 (pred)	12.910000000000002 (actual)
Steering angle: 2.965165478385306 (pred)	13.82 (actual)
Steering angle: 2.959466752739988 (pred)	15.030000000000001 (actual)
Steering angle: 2.9725401616982157 (pred)	15.83 (actual)
Steering angle: 3.3703239756574113 (pred)	16.24 (actual)
Steering angle: 3.700126489920647 (pred)	16.64 (actual)
Steering angle: 3.9305642659121833 (pred)	16.74 (actual)
Steering angle: 4.15858757003212 (pred)	16.84 (actual)
Steering angle: 3.620906113945431 (pred)	16.84 (actual)
Steering angle: 1.5909557499276585 (pred)	16.84 (actual)
Steering angle: 0.9140983038879696 (pred)	16.939999999999998 (actual)
Steering angle: 1.144035555079391 (pred)	17.04 (actual)
Steering angle: 1.7838496835989275 (pred)	17.239999999999995 (actual)
Steering angle: 2.8168910361276147 (pred)	17.55 (actual)
Steering angle: 2.1365011016265596 (pred)	17.75 (actual)
Steering angle: 1.9807198545842015 (pred)	17.850000000000005 (actual)
Steering angle: 1.957557829335042 (pred)	17.850000000000005 (actual)
Steering angle: 1.6996129605651602 (pred)	17.850000000000005 (actual)
Steering angle: 1.6833268013760878 (pred)	17.850000000000005 (actual)
Steering angle: 1.7332317919901976 (pred)	17.850000000000005 (actual)
Steering angle: 1.8236696864601016 (pred)	17.850000000000005 (actual)
Steering angle: 2.0660197392509634 (pred)	17.850000000000005 (actual)

Steering angle: 2.0953282944228997 (pred)	17.850000000000005 (actual)
Steering angle: 2.1972432545759526 (pred)	17.850000000000005 (actual)
Steering angle: 2.362596584853261 (pred)	17.34 (actual)
Steering angle: 2.5249591460477494 (pred)	17.04 (actual)
Steering angle: 2.630521854104412 (pred)	16.64 (actual)
Steering angle: 2.4188927115397982 (pred)	16.13 (actual)
Steering angle: 2.341840066852415 (pred)	15.929999999999998 (actual)
Steering angle: 2.9915283010342626 (pred)	15.929999999999998 (actual)
Steering angle: 3.1336002911953473 (pred)	15.929999999999998 (actual)
Steering angle: 3.2810128489571477 (pred)	15.929999999999998 (actual)
Steering angle: 3.1339087169250557 (pred)	15.929999999999998 (actual)
Steering angle: 3.2800007002995164 (pred)	15.83 (actual)
Steering angle: 3.5105407156851913 (pred)	16.03 (actual)
Steering angle: 3.9332963415801885 (pred)	16.03 (actual)
Steering angle: 4.160501303660193 (pred)	16.03 (actual)
Steering angle: 4.158666117207575 (pred)	16.03 (actual)
Steering angle: 4.27610097470219 (pred)	16.03 (actual)
Steering angle: 3.8836540998057125 (pred)	16.03 (actual)
Steering angle: 4.116728755703697 (pred)	16.03 (actual)
Steering angle: 4.313191036329474 (pred)	16.03 (actual)
Steering angle: 5.2704531475641625 (pred)	16.03 (actual)
Steering angle: 6.323530860023083 (pred)	16.03 (actual)
Steering angle: 7.898090954291537 (pred)	16.03 (actual)
Steering angle: 8.842782956132464 (pred)	16.03 (actual)
Steering angle: 9.274777053210137 (pred)	16.44 (actual)
Steering angle: 10.179315226694204 (pred)	16.74 (actual)
Steering angle: 10.537457049597469 (pred)	17.239999999999995 (actual)
Steering angle: 10.357002597952086 (pred)	17.65 (actual)
Steering angle: 10.208331577835711 (pred)	18.05 (actual)
Steering angle: 9.997087487185556 (pred)	18.05 (actual)
Steering angle: 10.01169128540469 (pred)	18.05 (actual)
Steering angle: 10.14171588908693 (pred)	18.05 (actual)
Steering angle: 10.322406836032325 (pred)	18.05 (actual)
Steering angle: 10.611867691736528 (pred)	18.05 (actual)
Steering angle: 10.650878317181055 (pred)	18.05 (actual)
Steering angle: 10.423452654613493 (pred)	18.05 (actual)
Steering angle: 10.642129698627915 (pred)	18.149999999999995 (actual)
Steering angle: 10.042396400818483 (pred)	18.05 (actual)
Steering angle: 8.80985290659654 (pred)	17.95 (actual)
Steering angle: 6.966182078369113 (pred)	17.95 (actual)
Steering angle: 6.897304316344589 (pred)	17.95 (actual)
Steering angle: 7.202739276970158 (pred)	17.75 (actual)
Steering angle: 6.993170290213949 (pred)	17.45 (actual)
Steering angle: 8.171776634333948 (pred)	17.140000000000004 (actual)
Steering angle: 9.547064252019988 (pred)	17.04 (actual)
Steering angle: 9.20436121796189 (pred)	17.04 (actual)
Steering angle: 9.15139822359032 (pred)	16.939999999999998 (actual)
Steering angle: 9.366046309768079 (pred)	0.0 (actual)



Steering angle: 9.410060902553287 (pred)	16.84 (actual)
Steering angle: 8.945616576728883 (pred)	16.44 (actual)
Steering angle: 9.035822885097241 (pred)	16.24 (actual)
Steering angle: 10.227530385818971 (pred)	15.929999999999998 (actual)
Steering angle: 10.118763038381102 (pred)	15.83 (actual)
Steering angle: 10.183216118483928 (pred)	15.63 (actual)
Steering angle: 9.97744642445354 (pred)	15.53 (actual)
Steering angle: 9.647648179058535 (pred)	15.53 (actual)
Steering angle: 9.552685497706909 (pred)	15.53 (actual)
Steering angle: 9.772200947441949 (pred)	15.53 (actual)
Steering angle: 9.521551787922698 (pred)	15.53 (actual)
Steering angle: 9.08677780385283 (pred)	15.33 (actual)
Steering angle: 9.125347882095891 (pred)	15.13 (actual)
Steering angle: 9.461737260039957 (pred)	14.920000000000002 (actual)
Steering angle: 9.432519418317936 (pred)	14.920000000000002 (actual)
Steering angle: 9.72356487790958 (pred)	14.920000000000002 (actual)
Steering angle: 9.698796904431822 (pred)	14.920000000000002 (actual)
Steering angle: 9.784864118163153 (pred)	14.82 (actual)
Steering angle: 10.025548885457 (pred)	14.920000000000002 (actual)
Steering angle: 10.166063805930733 (pred)	15.13 (actual)
Steering angle: 9.941202879396512 (pred)	15.33 (actual)
Steering angle: 10.011600785398187 (pred)	15.53 (actual)
Steering angle: 10.458101350499323 (pred)	15.83 (actual)
Steering angle: 10.419369909037119 (pred)	16.13 (actual)
Steering angle: 10.397871888624504 (pred)	16.54 (actual)
Steering angle: 10.393968435513841 (pred)	16.64 (actual)
Steering angle: 10.00822496440091 (pred)	16.64 (actual)
Steering angle: 9.81536518167549 (pred)	16.64 (actual)
Steering angle: 9.858853849894608 (pred)	16.64 (actual)
Steering angle: 9.900740838753357 (pred)	16.64 (actual)
Steering angle: 9.824962451233004 (pred)	16.64 (actual)
Steering angle: 9.998018954233617 (pred)	16.64 (actual)
Steering angle: 10.220727517405638 (pred)	16.64 (actual)
Steering angle: 10.158900645038683 (pred)	16.64 (actual)
Steering angle: 9.866735888196802 (pred)	16.64 (actual)
Steering angle: 9.67980812476554 (pred)	16.74 (actual)
Steering angle: 10.040607745029586 (pred)	16.84 (actual)
Steering angle: 9.974944013896376 (pred)	17.04 (actual)
Steering angle: 9.910487518698964 (pred)	17.04 (actual)
Steering angle: 9.741483879197109 (pred)	17.239999999999995 (actual)
Steering angle: 10.255045802890367 (pred)	17.75 (actual)
Steering angle: 10.329911506382876 (pred)	18.45 (actual)
Steering angle: 10.186460458339685 (pred)	19.26 (actual)
Steering angle: 9.980315103904944 (pred)	19.36 (actual)
Steering angle: 9.957772918322963 (pred)	19.36 (actual)
Steering angle: 9.852103061673697 (pred)	19.16 (actual)
Steering angle: 9.816284695892502 (pred)	19.060000000000002 (actual)
Steering angle: 9.498035446610343 (pred)	19.16 (actual)

Steering angle: 9.423875813923285 (pred)	19.76 (actual)
Steering angle: 9.529017184685522 (pred)	20.07 (actual)
Steering angle: 9.321440905619664 (pred)	20.07 (actual)
Steering angle: 9.042623192189636 (pred)	20.07 (actual)
Steering angle: 9.045868385819038 (pred)	20.07 (actual)
Steering angle: 8.634238497751756 (pred)	20.07 (actual)
Steering angle: 8.424240916625129 (pred)	20.07 (actual)
Steering angle: 8.321234833752166 (pred)	20.07 (actual)
Steering angle: 8.4136336328441 (pred)	20.07 (actual)
Steering angle: 8.215891118635767 (pred)	20.07 (actual)
Steering angle: 8.15857900131019 (pred)	20.07 (actual)
Steering angle: 8.28145666579966 (pred)	0.0 (actual)
Steering angle: 8.175582757248938 (pred)	19.46 (actual)
Steering angle: 8.12913064070368 (pred)	18.859999999999996 (actual)
Steering angle: 8.427684185740462 (pred)	18.25 (actual)
Steering angle: 8.307661540324059 (pred)	18.149999999999995 (actual)
Steering angle: 7.975661412695372 (pred)	18.149999999999995 (actual)
Steering angle: 7.479110928903676 (pred)	18.149999999999995 (actual)
Steering angle: 7.3950987483388735 (pred)	18.05 (actual)
Steering angle: 7.156129639187168 (pred)	17.850000000000005 (actual)
Steering angle: 7.251324973857397 (pred)	17.850000000000005 (actual)
Steering angle: 7.40879754649298 (pred)	17.850000000000005 (actual)
Steering angle: 7.1311627364498325 (pred)	17.850000000000005 (actual)
Steering angle: 6.867494382598891 (pred)	17.75 (actual)
Steering angle: 6.909637503551516 (pred)	17.75 (actual)
Steering angle: 6.712634357320838 (pred)	17.55 (actual)
Steering angle: 6.230883185913267 (pred)	16.939999999999998 (actual)
Steering angle: 5.388008814029722 (pred)	16.13 (actual)
Steering angle: 5.412620120043393 (pred)	15.33 (actual)
Steering angle: 5.270265317361988 (pred)	15.33 (actual)
Steering angle: 5.670072147975977 (pred)	14.920000000000002 (actual)
Steering angle: 5.756666140047044 (pred)	14.420000000000002 (actual)
Steering angle: 5.618265163121429 (pred)	14.02 (actual)
Steering angle: 5.307680239861671 (pred)	13.82 (actual)
Steering angle: 5.252047922185095 (pred)	13.71 (actual)
Steering angle: 5.543035752055617 (pred)	13.71 (actual)
Steering angle: 5.29432636626065 (pred)	13.71 (actual)
Steering angle: 5.187888967103403 (pred)	13.71 (actual)
Steering angle: 5.486243582880607 (pred)	0.0 (actual)
Steering angle: 5.893373230058496 (pred)	13.610000000000001 (actual)
Steering angle: 5.829093892892683 (pred)	13.610000000000001 (actual)
Steering angle: 6.055328114336899 (pred)	13.610000000000001 (actual)
Steering angle: 6.237418396288501 (pred)	13.610000000000001 (actual)
Steering angle: 5.908544787752387 (pred)	13.610000000000001 (actual)
Steering angle: 5.857287206239203 (pred)	13.610000000000001 (actual)
Steering angle: 5.653593462829675 (pred)	13.92 (actual)
Steering angle: 6.392817579624161 (pred)	14.22 (actual)
Steering angle: 6.202148153188201 (pred)	14.420000000000002 (actual)

Steering angle: 5.921943911356659 (pred)	14.52 (actual)
Steering angle: 6.003856235638507 (pred)	14.52 (actual)
Steering angle: 5.4426012354051645 (pred)	14.52 (actual)
Steering angle: 5.231708899497265 (pred)	14.62 (actual)
Steering angle: 5.362528366444166 (pred)	14.82 (actual)
Steering angle: 5.320112891698387 (pred)	15.030000000000001 (actual)
Steering angle: 5.597828810237928 (pred)	15.33 (actual)
Steering angle: 5.512563716847251 (pred)	15.63 (actual)
Steering angle: 5.792873826610928 (pred)	15.83 (actual)
Steering angle: 6.4175356073436145 (pred)	15.83 (actual)
Steering angle: 6.018536873485803 (pred)	15.929999999999998 (actual)
Steering angle: 5.6163245356235 (pred)	15.929999999999998 (actual)
Steering angle: 4.984421900596954 (pred)	16.13 (actual)
Steering angle: 4.995853075946616 (pred)	16.44 (actual)
Steering angle: 4.984083806233039 (pred)	16.84 (actual)
Steering angle: 4.587977230601904 (pred)	17.140000000000004 (actual)
Steering angle: 4.5663981016928945 (pred)	17.239999999999995 (actual)
Steering angle: 4.705333967807886 (pred)	17.34 (actual)
Steering angle: 4.464748665143826 (pred)	17.55 (actual)
Steering angle: 4.13550878771347 (pred)	17.95 (actual)
Steering angle: 4.024943819863419 (pred)	18.66 (actual)
Steering angle: 3.6932130578201248 (pred)	19.56 (actual)
Steering angle: 3.6206461398701473 (pred)	20.370000000000005 (actual)
Steering angle: 3.616434047586365 (pred)	20.869999999999997 (actual)
Steering angle: 3.35666551830809 (pred)	21.58 (actual)
Steering angle: 3.029530192915744 (pred)	21.88 (actual)
Steering angle: 2.9721192512906134 (pred)	22.179999999999996 (actual)
Steering angle: 2.7667299134196295 (pred)	22.789999999999996 (actual)
Steering angle: 2.613560786847978 (pred)	23.189999999999998 (actual)
Steering angle: 2.632350637254683 (pred)	23.5 (actual)
Steering angle: 2.6471132373720194 (pred)	23.6 (actual)
Steering angle: 2.7097093597942474 (pred)	23.7 (actual)
Steering angle: 2.5487982137983862 (pred)	23.9 (actual)
Steering angle: 2.2785444903704954 (pred)	24.1 (actual)
Steering angle: 2.2458870080711373 (pred)	24.1 (actual)
Steering angle: 2.141780624411568 (pred)	24.1 (actual)
Steering angle: 1.965595467884266 (pred)	24.1 (actual)
Steering angle: 1.943061606595336 (pred)	24.1 (actual)
Steering angle: 2.0287454759595 (pred)	24.200000000000003 (actual)
Steering angle: 2.352051199661584 (pred)	23.799999999999997 (actual)
Steering angle: 2.5454631604927163 (pred)	23.5 (actual)
Steering angle: 3.148200247433073 (pred)	22.789999999999996 (actual)
Steering angle: 3.2462516683934255 (pred)	22.29 (actual)
Steering angle: 3.032873357071054 (pred)	21.18 (actual)
Steering angle: 2.6552947367806365 (pred)	20.57 (actual)
Steering angle: 2.325676851068403 (pred)	20.07 (actual)
Steering angle: 2.208982642211912 (pred)	19.97 (actual)
Steering angle: 2.3709488389911284 (pred)	19.76 (actual)

Steering angle: 1.7238022889541718 (pred)	19.26 (actual)
Steering angle: 1.3943393631587326 (pred)	18.859999999999996 (actual)
Steering angle: 0.8066107631458327 (pred)	18.55 (actual)
Steering angle: 0.8298886881674709 (pred)	18.35 (actual)
Steering angle: 0.7602062444813545 (pred)	18.05 (actual)
Steering angle: 0.7969481799043803 (pred)	17.45 (actual)
Steering angle: 0.8738795887339957 (pred)	16.939999999999998 (actual)
Steering angle: 0.9427138083025611 (pred)	16.34 (actual)
Steering angle: 0.3253788995585946 (pred)	15.730000000000002 (actual)
Steering angle: -0.3015140051551585 (pred)	15.43 (actual)
Steering angle: -0.24491137372961658 (pred)	15.030000000000001 (actual)
Steering angle: 0.24584412143814646 (pred)	14.52 (actual)
Steering angle: 1.2782156885413494 (pred)	13.92 (actual)
Steering angle: 1.3124737829840176 (pred)	13.11 (actual)
Steering angle: 1.0637468948293027 (pred)	13.01 (actual)
Steering angle: 1.2307219681476658 (pred)	13.01 (actual)
Steering angle: 1.3358464768803897 (pred)	13.01 (actual)
Steering angle: 1.8684985658604225 (pred)	13.01 (actual)
Steering angle: 2.288209208046063 (pred)	13.01 (actual)
Steering angle: 1.5919636297170585 (pred)	13.01 (actual)
Steering angle: 1.9565209212416694 (pred)	13.01 (actual)
Steering angle: 2.25626526707156 (pred)	13.01 (actual)
Steering angle: 3.080090454803352 (pred)	13.01 (actual)
Steering angle: 3.581668384711 (pred)	13.01 (actual)
Steering angle: 3.68267066083621 (pred)	13.01 (actual)
Steering angle: 3.6679016574165266 (pred)	13.01 (actual)
Steering angle: 3.783152135037206 (pred)	13.01 (actual)
Steering angle: 4.177687340272414 (pred)	13.01 (actual)
Steering angle: 4.116897802885655 (pred)	13.01 (actual)
Steering angle: 3.4502924707901554 (pred)	13.01 (actual)
Steering angle: 3.3252421658143883 (pred)	13.01 (actual)
Steering angle: 2.9477194676978007 (pred)	13.01 (actual)
Steering angle: 2.708380461113857 (pred)	13.01 (actual)
Steering angle: 2.045552437072786 (pred)	13.01 (actual)
Steering angle: 1.9504766307130312 (pred)	12.910000000000002 (actual)
Steering angle: 2.3007095214442446 (pred)	12.81 (actual)
Steering angle: 2.692289389202953 (pred)	12.709999999999999 (actual)
Steering angle: 3.005906489567374 (pred)	12.5 (actual)
Steering angle: 2.9570770403041298 (pred)	0.0 (actual)
Steering angle: 2.771522358339451 (pred)	11.5 (actual)
Steering angle: 2.72266601520635 (pred)	11.089999999999998 (actual)
Steering angle: 2.746710628962322 (pred)	10.18 (actual)
Steering angle: 2.8760899932114077 (pred)	8.87 (actual)
Steering angle: 2.9087417125386534 (pred)	7.969999999999999 (actual)
Steering angle: 2.8932999354857243 (pred)	6.96 (actual)
Steering angle: 2.7543288512078252 (pred)	6.659999999999999 (actual)
Steering angle: 2.6361098026191288 (pred)	6.150000000000001 (actual)
Steering angle: 2.5141687278195985 (pred)	5.65 (actual)

Steering angle: 2.4735600515526994 (pred)	0.0 (actual)
Steering angle: 2.4793279328633635 (pred)	4.34 (actual)
Steering angle: 2.4559040125482166 (pred)	4.24 (actual)
Steering angle: 2.487632589120453 (pred)	4.24 (actual)
Steering angle: 2.507047401836214 (pred)	3.9300000000000006 (actual)
Steering angle: 2.3798073809012235 (pred)	3.23 (actual)
Steering angle: 2.3070475101071932 (pred)	2.42 (actual)
Steering angle: 2.2707708813213747 (pred)	1.92 (actual)
Steering angle: 2.2553111750218737 (pred)	1.71 (actual)
Steering angle: 2.3195087633610583 (pred)	1.6100000000000003 (actual)
Steering angle: 2.326593803964477 (pred)	1.6100000000000003 (actual)
Steering angle: 2.2508625874380797 (pred)	1.6100000000000003 (actual)
Steering angle: 2.236415670126445 (pred)	1.6100000000000003 (actual)
Steering angle: 2.199100639143373 (pred)	1.51 (actual)
Steering angle: 2.0943178533125613 (pred)	1.31 (actual)
Steering angle: 1.993684834289355 (pred)	1.31 (actual)
Steering angle: 1.9399402101446404 (pred)	1.31 (actual)
Steering angle: 1.8001578274593906 (pred)	1.31 (actual)
Steering angle: 1.8168875220576906 (pred)	1.31 (actual)
Steering angle: 1.888322976482973 (pred)	1.41 (actual)
Steering angle: 1.8755951324080657 (pred)	1.71 (actual)
Steering angle: 2.0056726700563736 (pred)	1.82 (actual)
Steering angle: 2.078136067951743 (pred)	1.82 (actual)
Steering angle: 2.0803494761296504 (pred)	2.02 (actual)
Steering angle: 1.7924905132292281 (pred)	2.52 (actual)
Steering angle: 1.7197464372476536 (pred)	2.92 (actual)
Steering angle: 1.6974358377672185 (pred)	2.92 (actual)
Steering angle: 1.7602291819017308 (pred)	2.92 (actual)
Steering angle: 1.9145842000680258 (pred)	2.92 (actual)
Steering angle: 1.9461704098847499 (pred)	3.13 (actual)
Steering angle: 1.9595881030658282 (pred)	3.23 (actual)
Steering angle: 1.7883016862773062 (pred)	3.3299999999999996 (actual)
Steering angle: 1.503031365072319 (pred)	3.4300000000000006 (actual)
Steering angle: 1.4348046054530617 (pred)	3.4300000000000006 (actual)
Steering angle: 1.3015576465864565 (pred)	3.4300000000000006 (actual)
Steering angle: 1.2892705631564265 (pred)	3.4300000000000006 (actual)
Steering angle: 1.4396201022613322 (pred)	3.4300000000000006 (actual)
Steering angle: 1.229842367848615 (pred)	3.4300000000000006 (actual)
Steering angle: 1.2615459715416986 (pred)	3.4300000000000006 (actual)
Steering angle: 1.2404020537488663 (pred)	3.4300000000000006 (actual)
Steering angle: 1.452064066598861 (pred)	3.4300000000000006 (actual)
Steering angle: 1.1457721306758668 (pred)	3.03 (actual)
Steering angle: 0.9978756967000535 (pred)	2.02 (actual)
Steering angle: 0.9225404177021054 (pred)	1.82 (actual)
Steering angle: 0.9303368651962634 (pred)	1.82 (actual)
Steering angle: 0.9756933767099677 (pred)	1.82 (actual)
Steering angle: 1.0518476380780828 (pred)	1.82 (actual)
Steering angle: 1.008868459282366 (pred)	1.82 (actual)

Steering angle: 0.8015314502808704 (pred)	1.82 (actual)
Steering angle: 0.6315993319387151 (pred)	0.0 (actual)
Steering angle: 0.5925765402197282 (pred)	2.32 (actual)
Steering angle: 0.526091478838824 (pred)	2.32 (actual)
Steering angle: 0.521449084637331 (pred)	2.32 (actual)
Steering angle: 0.5524139606829953 (pred)	2.32 (actual)
Steering angle: 0.5392865505416424 (pred)	2.32 (actual)
Steering angle: 0.5241301473299725 (pred)	2.32 (actual)
Steering angle: 0.5331323366560493 (pred)	2.32 (actual)
Steering angle: 0.4099310919546518 (pred)	2.32 (actual)
Steering angle: 0.4001472728554317 (pred)	2.32 (actual)
Steering angle: 0.381820167764995 (pred)	2.22 (actual)
Steering angle: 0.37364485821531285 (pred)	1.92 (actual)
Steering angle: 0.36098190093752075 (pred)	0.0 (actual)
Steering angle: 0.3325932868694206 (pred)	1.31 (actual)
Steering angle: 0.26890817616139856 (pred)	1.21 (actual)
Steering angle: 0.15895429679865236 (pred)	1.11 (actual)
Steering angle: 0.08961891209973731 (pred)	0.91 (actual)
Steering angle: 0.06496555773398785 (pred)	0.71 (actual)
Steering angle: 0.08485869713506154 (pred)	0.5 (actual)
Steering angle: 0.13390777966880404 (pred)	0.5 (actual)
Steering angle: 0.1343884542316437 (pred)	0.3 (actual)
Steering angle: 0.11069644899157353 (pred)	0.2 (actual)
Steering angle: 0.10073846006851807 (pred)	0.0 (actual)
Steering angle: 0.12268663263611936 (pred)	-0.4 (actual)
Steering angle: 0.12028112538780548 (pred)	-0.81 (actual)
Steering angle: 0.011327868738466147 (pred)	-1.51 (actual)
Steering angle: -0.09792826411188095 (pred)	-2.42 (actual)
Steering angle: -0.13866223166136762 (pred)	-3.4300000000000006 (actual)
Steering angle: -0.2690057198004828 (pred)	-4.13 (actual)
Steering angle: -0.2839809095557358 (pred)	-4.94 (actual)
Steering angle: -0.3077879607946383 (pred)	-5.139999999999999 (actual)
Steering angle: -0.4240352191473166 (pred)	-5.45 (actual)
Steering angle: -0.45853535841869725 (pred)	-5.949999999999999 (actual)
Steering angle: -0.43658227665263005 (pred)	-6.55 (actual)
Steering angle: -0.40274423884391747 (pred)	-7.26 (actual)
Steering angle: -0.6624835263748087 (pred)	-7.559999999999999 (actual)
Steering angle: -0.731259689335429 (pred)	-7.760000000000002 (actual)
Steering angle: -0.7198635187052627 (pred)	-8.27 (actual)
Steering angle: -0.5805421737889888 (pred)	-8.87 (actual)
Steering angle: -0.5450700132213507 (pred)	-9.68 (actual)
Steering angle: -0.5657364581025168 (pred)	-10.89 (actual)
Steering angle: -1.0645332203575004 (pred)	-11.6 (actual)
Steering angle: -1.481927361197449 (pred)	-12.4 (actual)
Steering angle: -1.5390375610556875 (pred)	-13.01 (actual)
Steering angle: -1.7507495196639877 (pred)	-13.92 (actual)
Steering angle: -2.2745836209821224 (pred)	-14.72 (actual)
Steering angle: -2.975171492075963 (pred)	-15.929999999999998 (actual)

Steering angle: -2.938390923395444 (pred)	-16.939999999999998 (actual)
Steering angle: -2.028967030220702 (pred)	-17.75 (actual)
Steering angle: -1.7731329033477659 (pred)	-18.859999999999996 (actual)
Steering angle: -1.7536937580830865 (pred)	-19.46 (actual)
Steering angle: -1.6582179587700632 (pred)	-19.97 (actual)
Steering angle: -1.2491160944693331 (pred)	-20.07 (actual)
Steering angle: -0.9140201835993376 (pred)	-20.07 (actual)
Steering angle: -0.8068075579712937 (pred)	-20.07 (actual)
Steering angle: -0.8806013486509345 (pred)	-20.07 (actual)
Steering angle: -0.9972673829770993 (pred)	-20.07 (actual)
Steering angle: -1.1663137111612687 (pred)	-20.07 (actual)
Steering angle: -1.2307518502252845 (pred)	-20.07 (actual)
Steering angle: -1.1052731643225109 (pred)	-20.07 (actual)
Steering angle: -0.961061830847331 (pred)	-20.07 (actual)
Steering angle: -0.821207304288973 (pred)	-20.07 (actual)
Steering angle: -1.064555418472303 (pred)	-20.07 (actual)
Steering angle: -1.5911706874431024 (pred)	-20.07 (actual)
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Steering angle: -2.2291598747937758 (pred)	-20.17 (actual)
Steering angle: -1.424869668418455 (pred)	-20.17 (actual)
Steering angle: -1.3298369776278363 (pred)	-20.27 (actual)
Steering angle: -1.3130035495315169 (pred)	-20.27 (actual)
Steering angle: -1.131049871363316 (pred)	-20.27 (actual)
Steering angle: -0.9784408203036054 (pred)	-20.27 (actual)
Steering angle: -0.7364241661216048 (pred)	-19.97 (actual)
Steering angle: -0.740137227709153 (pred)	-19.46 (actual)
Steering angle: -0.595667627705982 (pred)	-19.16 (actual)
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Steering angle: -0.6292397150238872 (pred)	-19.060000000000002 (actual)
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Steering angle: -0.47375472743677816 (pred)	-17.55 (actual)
Steering angle: -0.6553839716194035 (pred)	-17.04 (actual)
Steering angle: -0.7874426910138381 (pred)	-16.44 (actual)
Steering angle: -0.7419993080316277 (pred)	-16.13 (actual)
Steering angle: -0.6582727147514957 (pred)	-16.13 (actual)
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Steering angle: -0.6222524315029642 (pred)	-16.34 (actual)
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Steering angle: -1.1833452147435186 (pred)	-17.140000000000004 (actual)
Steering angle: -1.2377382799725614 (pred)	-17.239999999999995 (actual)

Steering angle: -1.0932665455352748 (pred)	-17.239999999999995 (actual)
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Steering angle: -1.7054359102760075 (pred)	-17.34 (actual)
Steering angle: -2.5763439398342247 (pred)	-17.34 (actual)
Steering angle: -4.111364068997475 (pred)	-17.34 (actual)
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Steering angle: -3.4676217279315353 (pred)	-17.239999999999995 (actual)
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Steering angle: -4.129683490125096 (pred)	-17.45 (actual)
Steering angle: -5.425992776664632 (pred)	-17.65 (actual)
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Steering angle: -4.103858544873278 (pred)	-18.55 (actual)
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Steering angle: -3.0003040269006713 (pred)	-18.55 (actual)
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Steering angle: -4.861040509656197 (pred)	-19.66 (actual)
Steering angle: -5.973592094313003 (pred)	-20.07 (actual)
Steering angle: -6.316877401997844 (pred)	-20.27 (actual)
Steering angle: -5.955738833596236 (pred)	-20.57 (actual)
Steering angle: -5.7178177315953045 (pred)	-20.57 (actual)
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Steering angle: -3.756832001070562 (pred)	-20.57 (actual)
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Steering angle: -0.6629846915051584 (pred)	-20.17 (actual)
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Steering angle: -1.7980020490026054 (pred)	-19.56 (actual)
Steering angle: -3.1675211450477465 (pred)	-19.36 (actual)



Steering angle: -5.385963599260126 (pred)	-19.26 (actual)
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Steering angle: -8.982111131237907 (pred)	-19.76 (actual)
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Steering angle: -6.252960491744864 (pred)	-20.17 (actual)
Steering angle: -5.495449824108138 (pred)	-20.07 (actual)
Steering angle: -5.721807415844238 (pred)	-19.97 (actual)
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Steering angle: -1.9377349128163726 (pred)	-17.65 (actual)
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Steering angle: -2.0950858227073645 (pred)	-13.51 (actual)
Steering angle: -1.7826093639343354 (pred)	-12.709999999999999 (actual)
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Steering angle: -1.2789921956726151 (pred)	-11.39 (actual)
Steering angle: -1.1355001664944022 (pred)	-10.79 (actual)
Steering angle: -0.816429160077726 (pred)	-10.08 (actual)
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Steering angle: -0.4155312067438276 (pred)	-8.87 (actual)
Steering angle: -0.5864626671389205 (pred)	-8.37 (actual)
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Steering angle: -1.3690051243100976 (pred)	-6.860000000000001 (actual)
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Steering angle: -0.466834892033909 (pred)	-4.13 (actual)
Steering angle: -0.32029617159904733 (pred)	-3.53 (actual)
Steering angle: -0.3869677825216574 (pred)	-3.13 (actual)
Steering angle: -0.8204815966896593 (pred)	-2.82 (actual)
Steering angle: -1.0519003586007387 (pred)	-2.42 (actual)
Steering angle: -1.3225167223848753 (pred)	-2.02 (actual)
Steering angle: -1.1797414361826906 (pred)	-1.41 (actual)
Steering angle: -0.8098755935690988 (pred)	-0.91 (actual)
Steering angle: -0.5027744936728699 (pred)	-0.91 (actual)
Steering angle: -0.4612610307843555 (pred)	-0.81 (actual)
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Steering angle: -0.5088192110883312 (pred)	-0.3 (actual)

Steering angle: -0.19386510119388004 (pred)	0.0 (actual)
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Steering angle: -0.1580514311677413 (pred)	0.71 (actual)
Steering angle: -0.14930195884095498 (pred)	1.41 (actual)
Steering angle: -0.14842171821166958 (pred)	2.32 (actual)
Steering angle: -0.18390497783670895 (pred)	2.7200000000000006 (actual)
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Steering angle: -0.18838771636635293 (pred)	3.4300000000000006 (actual)
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Steering angle: -0.3604615259001304 (pred)	6.76 (actual)
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Steering angle: 0.15067760162847785 (pred)	2.92 (actual)
Steering angle: 0.20889173081131965 (pred)	1.71 (actual)
Steering angle: 0.28668267625929894 (pred)	0.81 (actual)
Steering angle: 0.22885744097232474 (pred)	0.61 (actual)
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Steering angle: 0.05543402874723505 (pred)	0.0 (actual)
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Steering angle: 0.14707446339788458 (pred)	-0.5 (actual)
Steering angle: 0.2075086175043921 (pred)	0.1 (actual)
Steering angle: 0.038265281051350186 (pred)	0.4 (actual)
Steering angle: -0.32141034620740566 (pred)	0.4 (actual)
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Steering angle: 0.07685841118286098 (pred)	0.81 (actual)
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Steering angle: 0.060662325113468245 (pred)	2.02 (actual)
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Steering angle: -0.6453222491983285 (pred)	2.82 (actual)
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Steering angle: -0.1536924898168038 (pred)	4.94 (actual)
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Steering angle: -0.052284244322801356 (pred)	5.75 (actual)
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Steering angle: -0.37882022061547843 (pred)	5.75 (actual)
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Steering angle: -0.3810361901143245 (pred)	6.45 (actual)
Steering angle: -0.30568682385121315 (pred)	6.45 (actual)
Steering angle: -0.18088133846850893 (pred)	6.55 (actual)
Steering angle: -0.1047008235607717 (pred)	6.55 (actual)
Steering angle: 0.044666875850944636 (pred)	6.659999999999999 (actual)
Steering angle: 0.056035725724430864 (pred)	6.55 (actual)
Steering angle: -0.0433721281164041 (pred)	5.45 (actual)
Steering angle: -0.14212300313644846 (pred)	4.03 (actual)
Steering angle: -0.36970746760221207 (pred)	2.52 (actual)
Steering angle: -0.6284158234552544 (pred)	1.31 (actual)
Steering angle: -0.49323784204423954 (pred)	0.71 (actual)
Steering angle: -0.14636753881878825 (pred)	0.61 (actual)
Steering angle: -0.06715441991956536 (pred)	0.5 (actual)
Steering angle: -0.025542773061732058 (pred)	0.5 (actual)
Steering angle: -0.038045861224263525 (pred)	0.5 (actual)
Steering angle: -0.07200001224886629 (pred)	0.5 (actual)
Steering angle: -0.05979489108887663 (pred)	0.5 (actual)
Steering angle: -0.018628487187563526 (pred)	0.5 (actual)
Steering angle: -0.007248111369852906 (pred)	0.61 (actual)
Steering angle: -0.04077622934497612 (pred)	0.61 (actual)
Steering angle: -0.06069604917249519 (pred)	0.71 (actual)
Steering angle: -0.06632540570905507 (pred)	0.0 (actual)
Steering angle: -0.06332951398435822 (pred)	0.71 (actual)
Steering angle: -0.033505066086674425 (pred)	1.11 (actual)
Steering angle: -0.012583769772102241 (pred)	1.51 (actual)

Steering angle: -0.09933144109949543 (pred)	1.6100000000000003 (actual)
Steering angle: -0.15008486927456768 (pred)	1.92 (actual)
Steering angle: -0.30952709771205283 (pred)	2.02 (actual)
Steering angle: -0.4842015017723127 (pred)	2.02 (actual)
Steering angle: -0.608212977664003 (pred)	2.02 (actual)
Steering angle: -0.6533477214730935 (pred)	2.02 (actual)
Steering angle: -0.6785498388499711 (pred)	2.12 (actual)
Steering angle: -0.6185368085944772 (pred)	2.52 (actual)
Steering angle: -0.5894291036728216 (pred)	2.92 (actual)
Steering angle: -0.4978473659603519 (pred)	3.03 (actual)
Steering angle: -0.22847879236021215 (pred)	3.13 (actual)
Steering angle: -0.139949722319915 (pred)	3.13 (actual)
Steering angle: -0.08051939257798782 (pred)	0.0 (actual)
Steering angle: -0.1046393518582416 (pred)	3.7300000000000004 (actual)
Steering angle: -0.1521023364006602 (pred)	3.829999999999999 (actual)
Steering angle: -0.1260011953742796 (pred)	3.829999999999999 (actual)
Steering angle: -0.06724193171830616 (pred)	0.0 (actual)
Steering angle: -0.010137708275591425 (pred)	3.829999999999999 (actual)
Steering angle: 0.11599112625880278 (pred)	3.9300000000000006 (actual)
Steering angle: 0.15704653958610318 (pred)	3.829999999999999 (actual)
Steering angle: 0.13872519746777867 (pred)	3.9300000000000006 (actual)
Steering angle: 0.030945879582035273 (pred)	4.44 (actual)
Steering angle: -0.12414124948592051 (pred)	4.84 (actual)
Steering angle: -0.26099220035676535 (pred)	5.04 (actual)
Steering angle: -0.13995057609356126 (pred)	4.94 (actual)
Steering angle: 0.01739435738190685 (pred)	4.44 (actual)
Steering angle: 0.04543100326433981 (pred)	4.34 (actual)
Steering angle: 0.0347374883450386 (pred)	4.34 (actual)
Steering angle: 0.0007812028863202084 (pred)	4.34 (actual)
Steering angle: -0.06706477368670895 (pred)	4.13 (actual)
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Steering angle: -0.5389079019295299 (pred)	3.9300000000000006 (actual)
Steering angle: -0.6582637501282101 (pred)	3.9300000000000006 (actual)
Steering angle: -0.5834637872064617 (pred)	3.9300000000000006 (actual)
Steering angle: -0.41710215025293057 (pred)	3.9300000000000006 (actual)
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Steering angle: -0.42152939349556817 (pred)	4.94 (actual)
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Steering angle: -0.8233980874652547 (pred)	5.04 (actual)
Steering angle: -1.4740333700642068 (pred)	4.64 (actual)
Steering angle: -1.8024169125273724 (pred)	4.44 (actual)
Steering angle: -2.0533631852755185 (pred)	4.13 (actual)
Steering angle: -2.0440745548911243 (pred)	3.3299999999999996 (actual)
Steering angle: -1.7920333174416605 (pred)	2.32 (actual)
Steering angle: -1.5052285515509476 (pred)	0.91 (actual)
Steering angle: -1.5021921055780538 (pred)	-0.1 (actual)
Steering angle: -1.9474491493634232 (pred)	-0.91 (actual)
Steering angle: -2.5312335285740524 (pred)	-1.41 (actual)

Steering angle: -2.5972110215222597 (pred)	-1.92 (actual)
Steering angle: -3.0421325322646524 (pred)	-2.32 (actual)
Steering angle: -3.562992086199247 (pred)	-2.92 (actual)
Steering angle: -4.294634266128196 (pred)	-3.63 (actual)
Steering angle: -4.342664156371726 (pred)	-4.34 (actual)
Steering angle: -4.757219926724711 (pred)	-5.04 (actual)
Steering angle: -5.151408926746364 (pred)	-5.45 (actual)
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Steering angle: -4.246080158865868 (pred)	-6.96 (actual)
Steering angle: -4.154757968341859 (pred)	-8.17 (actual)
Steering angle: -4.477437449074418 (pred)	-9.48 (actual)
Steering angle: -4.63746792755417 (pred)	-10.18 (actual)
Steering angle: -5.090884059189943 (pred)	-10.99 (actual)
Steering angle: -5.483738611002505 (pred)	-11.290000000000001 (actual)
Steering angle: -5.355762210297622 (pred)	-11.899999999999999 (actual)
Steering angle: -4.892296309071822 (pred)	-12.61 (actual)
Steering angle: -5.025093969557087 (pred)	-13.31 (actual)
Steering angle: -5.01372768100454 (pred)	-14.02 (actual)
Steering angle: -6.285934937510394 (pred)	-14.420000000000002 (actual)
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Steering angle: -7.322552747843229 (pred)	-14.420000000000002 (actual)
Steering angle: -8.23771784190219 (pred)	-14.72 (actual)
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Steering angle: -5.505616560687702 (pred)	-15.83 (actual)
Steering angle: -3.5552987318728735 (pred)	-15.929999999999998 (actual)
Steering angle: -2.6545013676198574 (pred)	-15.929999999999998 (actual)
Steering angle: -3.095222738909515 (pred)	-15.929999999999998 (actual)
Steering angle: -4.304293861161887 (pred)	-15.730000000000002 (actual)
Steering angle: -8.160441081632666 (pred)	-15.63 (actual)
Steering angle: -10.654862025014465 (pred)	-15.63 (actual)
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Steering angle: -9.586721184114728 (pred)	-16.03 (actual)
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Steering angle: -5.610071497438353 (pred)	-13.92 (actual)
Steering angle: -4.145258028980018 (pred)	-13.01 (actual)
Steering angle: -3.4403769571060008 (pred)	-12.300000000000002 (actual)
Steering angle: -2.771316385447293 (pred)	0.0 (actual)
Steering angle: -2.7429514635978762 (pred)	-12.100000000000001 (actual)
Steering angle: -3.06077254539644 (pred)	-12.100000000000001 (actual)
Steering angle: -3.1859955260921615 (pred)	-12.100000000000001 (actual)
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Steering angle: -2.523668240294617 (pred)	-12.100000000000001 (actual)

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Steering angle: -6.302848193442638 (pred)	-12.100000000000001 (actual)
Steering angle: -6.3906588129596145 (pred)	-12.100000000000001 (actual)
Steering angle: -6.323175690186242 (pred)	-12.100000000000001 (actual)
Steering angle: -6.171285089649852 (pred)	-12.100000000000001 (actual)
Steering angle: -6.994625974280808 (pred)	-12.100000000000001 (actual)
Steering angle: -7.353540462333931 (pred)	-12.100000000000001 (actual)
Steering angle: -7.642448072715361 (pred)	-12.4 (actual)
Steering angle: -8.168618525616463 (pred)	-12.61 (actual)
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Steering angle: -7.155149933928094 (pred)	-12.709999999999999 (actual)
Steering angle: -7.428533378099732 (pred)	-12.709999999999999 (actual)
Steering angle: -7.611783084662942 (pred)	-12.709999999999999 (actual)
Steering angle: -7.6964706001819305 (pred)	-12.709999999999999 (actual)
Steering angle: -6.741301941927851 (pred)	-12.709999999999999 (actual)
Steering angle: -6.051469911229488 (pred)	-11.899999999999999 (actual)
Steering angle: -5.482030209936355 (pred)	-11.39 (actual)
Steering angle: -5.256143901252986 (pred)	-10.59 (actual)
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Steering angle: -4.3912814428838765 (pred)	-8.37 (actual)
Steering angle: -2.6388623688546438 (pred)	-7.16 (actual)
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Steering angle: -2.215762885623619 (pred)	1.31 (actual)
Steering angle: -2.3987035261268868 (pred)	2.12 (actual)
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Steering angle: -1.650795677576375 (pred)	5.139999999999999 (actual)
Steering angle: -1.5293331429055688 (pred)	5.24 (actual)
Steering angle: -1.5212000951513762 (pred)	5.45 (actual)
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Steering angle: -1.759376475472537 (pred)	5.75 (actual)
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Steering angle: -1.810549533394742 (pred)	5.949999999999999 (actual)
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Steering angle: -1.8822660927930526 (pred)	6.150000000000001 (actual)
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Steering angle: -1.9402757431876172 (pred)	6.35 (actual)
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Steering angle: -2.642924196976686 (pred)	6.25 (actual)
Steering angle: -1.795031770487296 (pred)	6.25 (actual)
Steering angle: -1.7550585152566196 (pred)	6.25 (actual)
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Steering angle: -2.1927997896340363 (pred)	5.04 (actual)
Steering angle: -1.9189587227880074 (pred)	4.44 (actual)
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Steering angle: -1.4164996984774276 (pred)	3.7300000000000004 (actual)
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Steering angle: -1.1562071656237654 (pred)	12.2 (actual)
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Steering angle: -4.1694044552433045 (pred)	3.23 (actual)
Steering angle: -3.8972162941764195 (pred)	2.32 (actual)
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Steering angle: -4.3110455031564445 (pred)	2.02 (actual)
Steering angle: -4.458978009068812 (pred)	1.92 (actual)
Steering angle: -4.777851366886381 (pred)	1.71 (actual)
Steering angle: -4.736696062042469 (pred)	1.71 (actual)
Steering angle: -5.0686569160834285 (pred)	1.31 (actual)
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Steering angle: -4.343866269665648 (pred)	-0.91 (actual)
Steering angle: -5.689476715407983 (pred)	-1.11 (actual)
Steering angle: -6.3928735017979905 (pred)	-1.11 (actual)
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Steering angle: -6.651580576990564 (pred)	-1.6100000000000003 (actual)
Steering angle: -6.313254840416798 (pred)	-1.82 (actual)
Steering angle: -5.747757012048409 (pred)	-1.92 (actual)
Steering angle: -5.864676190260687 (pred)	-2.22 (actual)
Steering angle: -6.02840094730777 (pred)	-2.32 (actual)
Steering angle: -5.521318311815915 (pred)	-2.42 (actual)
Steering angle: -5.182994282789442 (pred)	-2.52 (actual)
Steering angle: -4.661700584955729 (pred)	-2.62 (actual)
Steering angle: -4.767569370864573 (pred)	-2.82 (actual)
Steering angle: -5.252511948161832 (pred)	-2.92 (actual)
Steering angle: -5.202970878564437 (pred)	-3.13 (actual)
Steering angle: -4.588550112718539 (pred)	-3.3299999999999996 (actual)
Steering angle: -4.197909395970707 (pred)	-3.53 (actual)
Steering angle: -4.13313102810866 (pred)	-3.9300000000000006 (actual)
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Steering angle: -5.216178756871949 (pred)	-4.54 (actual)
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Steering angle: -4.885768355772583 (pred)	-4.84 (actual)
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Steering angle: -5.100437786291498 (pred)	-5.139999999999999 (actual)
Steering angle: -5.617571045147027 (pred)	-5.340000000000001 (actual)
Steering angle: -5.7982816288862855 (pred)	-5.65 (actual)
Steering angle: -6.329464586864531 (pred)	-6.050000000000001 (actual)
Steering angle: -5.769106475846576 (pred)	-6.25 (actual)
Steering angle: -4.129508466527614 (pred)	-6.55 (actual)
Steering angle: -3.695633506107248 (pred)	-6.55 (actual)
Steering angle: -3.1710783929448536 (pred)	-6.55 (actual)
Steering angle: -3.017657403147558 (pred)	-6.659999999999999 (actual)
Steering angle: -2.931770335655586 (pred)	-6.76 (actual)

Steering angle: -2.5688537836356593 (pred)	-6.96 (actual)
Steering angle: -2.275887333339949 (pred)	-7.06 (actual)
Steering angle: -2.0426577175251697 (pred)	-7.06 (actual)
Steering angle: -1.9765124580554736 (pred)	-7.06 (actual)
Steering angle: -2.165301874922388 (pred)	-7.06 (actual)
Steering angle: -2.6553974030615985 (pred)	-7.06 (actual)
Steering angle: -2.5724251187979297 (pred)	-7.06 (actual)
Steering angle: -2.6161583931666983 (pred)	-7.06 (actual)
Steering angle: -2.468135387247828 (pred)	-7.06 (actual)
Steering angle: -1.8872231025831894 (pred)	-7.06 (actual)
Steering angle: -1.7506005361627168 (pred)	-7.06 (actual)
Steering angle: -1.779384660872443 (pred)	-7.06 (actual)
Steering angle: -2.3209900606373046 (pred)	-7.06 (actual)
Steering angle: -2.6932840355008363 (pred)	-7.06 (actual)
Steering angle: -3.1125607472307695 (pred)	-7.06 (actual)
Steering angle: -2.8370215246023465 (pred)	-7.06 (actual)
Steering angle: -2.6420904870111213 (pred)	-7.06 (actual)
Steering angle: -2.6970675334142 (pred)	-7.16 (actual)
Steering angle: -2.678894961353735 (pred)	-7.16 (actual)
Steering angle: -2.3388907057914388 (pred)	-7.16 (actual)
Steering angle: -2.357704461860239 (pred)	-7.16 (actual)
Steering angle: -2.5340010358483767 (pred)	-7.16 (actual)
Steering angle: -2.660625059097597 (pred)	-7.16 (actual)
Steering angle: -2.4098367344740077 (pred)	-7.16 (actual)
Steering angle: -2.2695984366616595 (pred)	-7.16 (actual)
Steering angle: -2.0469850692511957 (pred)	-7.16 (actual)
Steering angle: -2.076179859084769 (pred)	-7.16 (actual)
Steering angle: -1.9724053799301804 (pred)	-7.16 (actual)
Steering angle: -2.146383104695099 (pred)	-7.16 (actual)
Steering angle: -2.2215779379282385 (pred)	-7.16 (actual)
Steering angle: -2.028812924077554 (pred)	-7.06 (actual)
Steering angle: -1.801054289787955 (pred)	-7.16 (actual)
Steering angle: -1.7690937002273495 (pred)	-7.06 (actual)
Steering angle: -1.4915011519796912 (pred)	-7.06 (actual)
Steering angle: -1.3922367321114266 (pred)	-6.659999999999999 (actual)
Steering angle: -1.5168676207834724 (pred)	-6.25 (actual)
Steering angle: -1.4930755105833793 (pred)	-5.65 (actual)
Steering angle: -1.5370363156288738 (pred)	-4.94 (actual)
Steering angle: -1.6748810590239556 (pred)	-3.829999999999999 (actual)
Steering angle: -1.7132505004601484 (pred)	-2.7200000000000006 (actual)
Steering angle: -1.63142952995845 (pred)	-1.82 (actual)
Steering angle: -1.628626591077806 (pred)	-1.6100000000000003 (actual)
Steering angle: -1.8722607194326302 (pred)	-1.6100000000000003 (actual)
Steering angle: -1.944323910931319 (pred)	-1.51 (actual)
Steering angle: -1.711182660688927 (pred)	-1.11 (actual)
Steering angle: -1.398638326911021 (pred)	-1.01 (actual)
Steering angle: -1.1699213317035047 (pred)	-1.01 (actual)
Steering angle: -1.0752532022598356 (pred)	-1.01 (actual)

Steering angle: -1.1147082168872373 (pred)	-0.61 (actual)
Steering angle: -1.108246431045582 (pred)	-0.3 (actual)
Steering angle: -1.096318359433801 (pred)	-0.3 (actual)
Steering angle: -1.1467567451334064 (pred)	-0.3 (actual)
Steering angle: -1.1369648151845468 (pred)	-0.3 (actual)
Steering angle: -1.1398855748283736 (pred)	0.0 (actual)
Steering angle: -1.5574841944565996 (pred)	0.4 (actual)
Steering angle: -1.7645371102773049 (pred)	0.91 (actual)
Steering angle: -1.7253732324632747 (pred)	1.6100000000000003 (actual)
Steering angle: -1.6156513660888974 (pred)	2.02 (actual)
Steering angle: -1.7257689565483123 (pred)	2.22 (actual)
Steering angle: -1.8620107399225567 (pred)	2.22 (actual)
Steering angle: -1.880427918132673 (pred)	2.22 (actual)
Steering angle: -1.7588795792104186 (pred)	2.22 (actual)
Steering angle: -2.0129779842605253 (pred)	2.22 (actual)
Steering angle: -2.072921858850673 (pred)	2.22 (actual)
Steering angle: -2.104857262088714 (pred)	2.22 (actual)
Steering angle: -1.854264451630116 (pred)	2.22 (actual)
Steering angle: -1.7129790004406404 (pred)	2.22 (actual)
Steering angle: -1.5263850625050621 (pred)	2.42 (actual)
Steering angle: -1.5094470471370767 (pred)	2.7200000000000006 (actual)
Steering angle: -1.2594181541718281 (pred)	3.13 (actual)
Steering angle: -1.1805252003899496 (pred)	3.3299999999999996 (actual)
Steering angle: -1.1871013919002025 (pred)	3.53 (actual)
Steering angle: -1.1237445571591642 (pred)	3.7300000000000004 (actual)
Steering angle: -1.1826707335629798 (pred)	4.34 (actual)
Steering angle: -1.232257480050449 (pred)	5.139999999999999 (actual)
Steering angle: -1.1811074740166931 (pred)	5.849999999999999 (actual)
Steering angle: -1.0506431769066333 (pred)	6.25 (actual)
Steering angle: -0.9760622069251484 (pred)	0.0 (actual)
Steering angle: -0.9679462346438807 (pred)	6.8600000000000001 (actual)
Steering angle: -0.9360407134834587 (pred)	6.8600000000000001 (actual)
Steering angle: -0.9107732824226428 (pred)	6.8600000000000001 (actual)
Steering angle: -1.0760032424080674 (pred)	6.659999999999999 (actual)
Steering angle: -1.1536663352525207 (pred)	6.55 (actual)
Steering angle: -1.1751963721768701 (pred)	6.55 (actual)
Steering angle: -1.2096478463504146 (pred)	6.55 (actual)
Steering angle: -1.1708199284661844 (pred)	6.55 (actual)
Steering angle: -1.178701112994733 (pred)	6.25 (actual)
Steering angle: -1.0842861274371773 (pred)	5.45 (actual)
Steering angle: -0.9713344353590302 (pred)	4.94 (actual)
Steering angle: -0.8925417999805862 (pred)	4.44 (actual)
Steering angle: -0.859037160780735 (pred)	4.24 (actual)
Steering angle: -0.9094823766695104 (pred)	3.829999999999999 (actual)
Steering angle: -0.7793574545838355 (pred)	3.4300000000000006 (actual)
Steering angle: -0.6877496767751552 (pred)	2.92 (actual)
Steering angle: -0.682906645766793 (pred)	2.32 (actual)
Steering angle: -0.6751757253999848 (pred)	1.92 (actual)

Steering angle: -0.6100537136453213 (pred)	1.51 (actual)
Steering angle: -0.579209006240367 (pred)	0.81 (actual)
Steering angle: -0.47737173948912304 (pred)	0.1 (actual)
Steering angle: -0.4328606773286193 (pred)	-0.1 (actual)
Steering angle: -0.3874424806689733 (pred)	-0.1 (actual)
Steering angle: -0.23773711378016443 (pred)	-0.1 (actual)
Steering angle: -0.10245113000289877 (pred)	-0.2 (actual)
Steering angle: 0.10644316212935966 (pred)	-0.3 (actual)
Steering angle: 0.051008706495301474 (pred)	-0.3 (actual)
Steering angle: -0.07999688310648184 (pred)	-0.2 (actual)
Steering angle: -0.10235465358087233 (pred)	-0.1 (actual)
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Steering angle: 0.052803765586545454 (pred)	-0.1 (actual)
Steering angle: 0.15726040988448922 (pred)	-0.1 (actual)
Steering angle: 0.20808534160243503 (pred)	0.1 (actual)
Steering angle: 0.29414892679576915 (pred)	0.91 (actual)
Steering angle: 0.4265103089478 (pred)	1.51 (actual)
Steering angle: 0.47565501412992267 (pred)	1.92 (actual)
Steering angle: 0.6246092736534417 (pred)	1.92 (actual)
Steering angle: 0.7547011120103242 (pred)	2.12 (actual)
Steering angle: 1.046481884154803 (pred)	2.92 (actual)
Steering angle: 1.1424249110957374 (pred)	3.63 (actual)
Steering angle: 1.3104138406190242 (pred)	4.03 (actual)
Steering angle: 1.632773796564473 (pred)	4.74 (actual)
Steering angle: 1.7283204590901353 (pred)	5.340000000000001 (actual)
Steering angle: 1.7812527176104416 (pred)	6.76 (actual)
Steering angle: 1.8126997623228265 (pred)	8.469999999999999 (actual)
Steering angle: 1.9007998111058824 (pred)	9.48 (actual)
Steering angle: 2.0026103974306806 (pred)	10.49 (actual)
Steering angle: 2.162487623540931 (pred)	10.89 (actual)
Steering angle: 2.5391727697105457 (pred)	10.89 (actual)
Steering angle: 2.4675023140891326 (pred)	11.290000000000001 (actual)
Steering angle: 2.6057137532652797 (pred)	11.8 (actual)
Steering angle: 2.767654977165343 (pred)	12.4 (actual)
Steering angle: 2.899414235453355 (pred)	12.709999999999999 (actual)
Steering angle: 3.1586606821469476 (pred)	13.51 (actual)
Steering angle: 3.286253738484663 (pred)	14.420000000000002 (actual)
Steering angle: 3.4784687086637502 (pred)	15.43 (actual)
Steering angle: 3.761952081627133 (pred)	16.64 (actual)
Steering angle: 3.852465748508142 (pred)	18.05 (actual)
Steering angle: 4.13651111797417 (pred)	18.760000000000005 (actual)
Steering angle: 4.881964794178532 (pred)	19.97 (actual)
Steering angle: 6.913110654744468 (pred)	21.18 (actual)
Steering angle: 7.8495846583533995 (pred)	22.789999999999996 (actual)
Steering angle: 7.955268175381006 (pred)	24.91 (actual)

Steering angle: 7.22848140617829 (pred)	25.01 (actual)
Steering angle: 6.481064904361196 (pred)	25.01 (actual)
Steering angle: 6.123291057899465 (pred)	25.11 (actual)
Steering angle: 6.885085961693083 (pred)	25.31 (actual)
Steering angle: 5.045283581856822 (pred)	25.41 (actual)
Steering angle: 4.942711642882979 (pred)	25.61 (actual)
Steering angle: 5.151352577685712 (pred)	25.71 (actual)
Steering angle: 7.018231961826018 (pred)	25.71 (actual)
Steering angle: 7.533766956415764 (pred)	25.71 (actual)
Steering angle: 7.4937522931632445 (pred)	25.71 (actual)
Steering angle: 8.248526616263735 (pred)	25.71 (actual)
Steering angle: 8.422516293859701 (pred)	25.820000000000004 (actual)
Steering angle: 8.684006671139054 (pred)	25.820000000000004 (actual)
Steering angle: 8.674620283672164 (pred)	25.820000000000004 (actual)
Steering angle: 9.463442246011521 (pred)	25.820000000000004 (actual)
Steering angle: 9.893448758040723 (pred)	25.820000000000004 (actual)
Steering angle: 11.336718102309545 (pred)	25.71 (actual)
Steering angle: 10.87725981457925 (pred)	25.61 (actual)
Steering angle: 10.535760601362368 (pred)	25.11 (actual)
Steering angle: 10.299551315522171 (pred)	24.61 (actual)
Steering angle: 10.543052682075002 (pred)	23.7 (actual)
Steering angle: 11.073067677705176 (pred)	23.189999999999998 (actual)
Steering angle: 10.77175473624371 (pred)	22.69 (actual)
Steering angle: 10.434317778035691 (pred)	22.39 (actual)
Steering angle: 10.528067247035995 (pred)	22.29 (actual)
Steering angle: 10.569079971680981 (pred)	22.29 (actual)
Steering angle: 10.408059115771579 (pred)	22.29 (actual)
Steering angle: 10.968430887167873 (pred)	22.29 (actual)
Steering angle: 10.9405799370535 (pred)	22.29 (actual)
Steering angle: 10.663741270935482 (pred)	22.29 (actual)
Steering angle: 10.812727333527324 (pred)	22.29 (actual)
Steering angle: 10.869219828152499 (pred)	22.29 (actual)
Steering angle: 10.926149454884555 (pred)	22.29 (actual)
Steering angle: 10.997930474193158 (pred)	22.29 (actual)
Steering angle: 11.141453239222637 (pred)	22.29 (actual)
Steering angle: 11.504995180438442 (pred)	22.29 (actual)
Steering angle: 11.583228167191768 (pred)	22.29 (actual)
Steering angle: 11.35226702795508 (pred)	22.08 (actual)
Steering angle: 11.14987315492197 (pred)	22.08 (actual)
Steering angle: 11.44578000165537 (pred)	22.08 (actual)
Steering angle: 11.436685604775498 (pred)	22.08 (actual)
Steering angle: 11.10910887840804 (pred)	22.08 (actual)
Steering angle: 11.154701244891521 (pred)	22.08 (actual)
Steering angle: 11.062813856213694 (pred)	22.08 (actual)
Steering angle: 10.753540329274578 (pred)	22.08 (actual)
Steering angle: 10.535903181561292 (pred)	22.08 (actual)
Steering angle: 10.963406429259683 (pred)	22.08 (actual)
Steering angle: 11.285951013756133 (pred)	22.179999999999996 (actual)

Steering angle: 11.832149288851005 (pred)	22.29 (actual)
Steering angle: 11.841442614990454 (pred)	22.39 (actual)
Steering angle: 12.0034222587046 (pred)	22.49 (actual)
Steering angle: 12.150706750419461 (pred)	22.69 (actual)
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Steering angle: 11.678241221188523 (pred)	23.09 (actual)
Steering angle: 11.421378297071854 (pred)	23.7 (actual)
Steering angle: 11.373436345513888 (pred)	24.5 (actual)
Steering angle: 11.087608296674487 (pred)	25.41 (actual)
Steering angle: 11.142244687392711 (pred)	25.92 (actual)
Steering angle: 10.747247163728057 (pred)	26.02 (actual)
Steering angle: 10.638760707819806 (pred)	26.02 (actual)
Steering angle: 10.580272090409695 (pred)	25.92 (actual)
Steering angle: 10.407811521414166 (pred)	25.92 (actual)
Steering angle: 10.412840248190587 (pred)	25.92 (actual)
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Steering angle: 10.279037696123684 (pred)	25.92 (actual)
Steering angle: 10.288981597781575 (pred)	25.92 (actual)
Steering angle: 10.238794221533968 (pred)	25.92 (actual)
Steering angle: 10.256536491676723 (pred)	25.92 (actual)
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Steering angle: 10.028851281920701 (pred)	25.92 (actual)
Steering angle: 9.955804116294708 (pred)	25.92 (actual)
Steering angle: 9.970869806056463 (pred)	26.02 (actual)
Steering angle: 9.807925398122054 (pred)	26.02 (actual)
Steering angle: 9.785001575720198 (pred)	26.02 (actual)
Steering angle: 9.715356698074517 (pred)	26.02 (actual)
Steering angle: 9.594368434664204 (pred)	26.02 (actual)
Steering angle: 9.435041465668963 (pred)	26.12 (actual)
Steering angle: 9.497811757915025 (pred)	26.22 (actual)
Steering angle: 9.716236938703803 (pred)	26.22 (actual)
Steering angle: 9.44991334881302 (pred)	26.22 (actual)
Steering angle: 9.461581873236339 (pred)	26.22 (actual)
Steering angle: 9.2923238091879 (pred)	26.22 (actual)
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Steering angle: 8.895085983475482 (pred)	26.22 (actual)
Steering angle: 8.591249287115696 (pred)	26.22 (actual)
Steering angle: 8.461735240073914 (pred)	26.22 (actual)
Steering angle: 8.316256479620874 (pred)	26.22 (actual)
Steering angle: 8.218507081087882 (pred)	26.22 (actual)
Steering angle: 8.042163549549201 (pred)	26.22 (actual)
Steering angle: 7.595884111822445 (pred)	26.22 (actual)
Steering angle: 7.4854937406830535 (pred)	26.22 (actual)
Steering angle: 7.535188489536774 (pred)	26.22 (actual)
Steering angle: 7.116648584463555 (pred)	26.22 (actual)

Steering angle: 6.81566904161095 (pred)	26.22 (actual)
Steering angle: 6.519986737346513 (pred)	26.22 (actual)
Steering angle: 6.229861218858705 (pred)	25.92 (actual)
Steering angle: 6.288775869318296 (pred)	24.61 (actual)
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Steering angle: 5.3792350091540175 (pred)	18.760000000000005 (actual)
Steering angle: 5.164910503188187 (pred)	18.35 (actual)
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Steering angle: 4.211428047885454 (pred)	17.140000000000004 (actual)
Steering angle: 4.158641784658657 (pred)	0.0 (actual)
Steering angle: 4.006952674702783 (pred)	16.939999999999998 (actual)
Steering angle: 4.019373800595274 (pred)	16.03 (actual)
Steering angle: 3.935163971431364 (pred)	15.230000000000002 (actual)
Steering angle: 3.857899163992887 (pred)	14.02 (actual)
Steering angle: 3.6606526922730276 (pred)	13.21 (actual)
Steering angle: 3.4842395781821764 (pred)	12.81 (actual)
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Steering angle: 3.4511152951417303 (pred)	12.81 (actual)
Steering angle: 3.3010060933182443 (pred)	12.81 (actual)
Steering angle: 3.2399710960081873 (pred)	13.01 (actual)
Steering angle: 3.1370388645556258 (pred)	13.21 (actual)
Steering angle: 2.9571805603587378 (pred)	13.21 (actual)
Steering angle: 2.8733986852350113 (pred)	13.21 (actual)
Steering angle: 2.819960352385889 (pred)	13.31 (actual)
Steering angle: 2.548668013317333 (pred)	13.31 (actual)
Steering angle: 2.365322257218919 (pred)	13.31 (actual)
Steering angle: 2.1145975387319753 (pred)	13.31 (actual)
Steering angle: 2.011769040777433 (pred)	13.71 (actual)
Steering angle: 1.8917912184774586 (pred)	13.71 (actual)
Steering angle: 1.9133588214422432 (pred)	13.21 (actual)
Steering angle: 2.09799548329379 (pred)	13.21 (actual)
Steering angle: 2.303205955585884 (pred)	12.910000000000002 (actual)
Steering angle: 2.3160896133512323 (pred)	12.300000000000002 (actual)
Steering angle: 2.1927229500058734 (pred)	10.99 (actual)
Steering angle: 1.7731072901383782 (pred)	10.69 (actual)
Steering angle: 1.645207302174835 (pred)	11.089999999999998 (actual)
Steering angle: 1.5400390375427406 (pred)	9.68 (actual)
Steering angle: 1.499028233884569 (pred)	7.26 (actual)
Steering angle: 1.5664887316602034 (pred)	4.44 (actual)
Steering angle: 1.6108401381488582 (pred)	3.63 (actual)
Steering angle: 1.689799259388321 (pred)	3.53 (actual)
Steering angle: 1.698084065408135 (pred)	3.53 (actual)
Steering angle: 1.711662268034709 (pred)	0.0 (actual)

Steering angle: 1.709957495506556 (pred)	3.23 (actual)
Steering angle: 1.684488360421813 (pred)	2.82 (actual)
Steering angle: 1.6362744819575163 (pred)	2.42 (actual)
Steering angle: 1.6807793542590848 (pred)	1.82 (actual)
Steering angle: 1.6755164800601783 (pred)	1.01 (actual)
Steering angle: 1.7452565534674165 (pred)	0.4 (actual)
Steering angle: 1.8283530617966148 (pred)	-0.4 (actual)
Steering angle: 1.9387876157222006 (pred)	-0.91 (actual)
Steering angle: 1.9492619242578269 (pred)	-1.51 (actual)
Steering angle: 1.9586628258767032 (pred)	-1.92 (actual)
Steering angle: 1.8718278561939807 (pred)	-2.02 (actual)
Steering angle: 1.8522290552574523 (pred)	-2.32 (actual)
Steering angle: 1.8446477587221497 (pred)	-2.52 (actual)
Steering angle: 1.853830307730997 (pred)	-2.92 (actual)
Steering angle: 1.8287859250352645 (pred)	-3.13 (actual)
Steering angle: 1.7133224308898451 (pred)	-3.13 (actual)
Steering angle: 1.69750840852715 (pred)	0.0 (actual)
Steering angle: 1.6728460895381148 (pred)	-3.8299999999999999 (actual)
Steering angle: 1.5543307814941691 (pred)	-4.24 (actual)
Steering angle: 1.51005386675615 (pred)	-4.24 (actual)
Steering angle: 1.417043979176913 (pred)	-4.24 (actual)
Steering angle: 1.5298413516685 (pred)	-4.24 (actual)
Steering angle: 1.565547019328388 (pred)	-4.24 (actual)
Steering angle: 1.591564490537436 (pred)	-4.24 (actual)
Steering angle: 1.5765288962967106 (pred)	-4.24 (actual)
Steering angle: 1.3350802150328789 (pred)	-4.24 (actual)
Steering angle: 1.2215441148938726 (pred)	-4.24 (actual)
Steering angle: 1.1424962011951993 (pred)	-4.24 (actual)
Steering angle: 1.0681564222687807 (pred)	-4.24 (actual)
Steering angle: 0.899102410121795 (pred)	-4.24 (actual)
Steering angle: 0.8513145647069777 (pred)	-4.24 (actual)
Steering angle: 0.8809772224986968 (pred)	-4.24 (actual)
Steering angle: 0.93151635348856 (pred)	-4.54 (actual)
Steering angle: 0.8904336194045795 (pred)	-4.94 (actual)
Steering angle: 0.7575740603299609 (pred)	-5.24 (actual)
Steering angle: 0.7412048716537906 (pred)	-5.75 (actual)
Steering angle: 0.8362847334383646 (pred)	-6.35 (actual)
Steering angle: 1.0554789508390023 (pred)	-7.16 (actual)
Steering angle: 1.171496544080839 (pred)	-7.9699999999999999 (actual)
Steering angle: 1.0367642325131674 (pred)	-8.17 (actual)
Steering angle: 0.9095799203085946 (pred)	-8.17 (actual)
Steering angle: 0.7691499503126631 (pred)	-8.37 (actual)
Steering angle: 0.4383007095591229 (pred)	-9.48 (actual)
Steering angle: 0.34697296950641304 (pred)	-11.5 (actual)
Steering angle: 0.3527278307689719 (pred)	-12.61 (actual)
Steering angle: 0.39265733010027803 (pred)	-13.41 (actual)
Steering angle: 0.4527410101249993 (pred)	-13.92 (actual)
Steering angle: 0.4057298852848593 (pred)	-14.62 (actual)



Steering angle: 0.407736039910139 (pred)	-15.13 (actual)
Steering angle: 0.518069421658644 (pred)	-15.730000000000002 (actual)
Steering angle: 0.7990550798199176 (pred)	-16.13 (actual)
Steering angle: 0.839872717186737 (pred)	-16.34 (actual)
Steering angle: 0.8360894327167846 (pred)	-16.34 (actual)
Steering angle: 0.7414505450204995 (pred)	-16.24 (actual)
Steering angle: 0.512972392990522 (pred)	-16.34 (actual)
Steering angle: 0.16113803634235238 (pred)	-16.34 (actual)
Steering angle: 0.07886563302519849 (pred)	-16.64 (actual)
Steering angle: -0.026231768394257095 (pred)	-16.939999999999998 (actual)
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Steering angle: -0.07148732117429221 (pred)	-18.55 (actual)
Steering angle: -0.19432229698144776 (pred)	-18.96 (actual)
Steering angle: -0.1607485021162501 (pred)	-19.36 (actual)
Steering angle: -0.07227620802342868 (pred)	-19.56 (actual)
Steering angle: 0.10784804666426664 (pred)	-20.17 (actual)
Steering angle: 0.10306200504679178 (pred)	-20.57 (actual)
Steering angle: 0.06206656931814056 (pred)	-20.57 (actual)
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Steering angle: -1.6832083402826705 (pred)	-20.469999999999995 (actual)
Steering angle: -1.985075380840554 (pred)	-20.469999999999995 (actual)
Steering angle: -1.8490244158762468 (pred)	-20.469999999999995 (actual)
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Steering angle: -1.6565974963894776 (pred)	-20.469999999999995 (actual)
Steering angle: -1.825670718443504 (pred)	-20.469999999999995 (actual)
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Steering angle: -1.3709632541677756 (pred)	-20.469999999999995 (actual)
Steering angle: -0.9530683750843005 (pred)	-20.469999999999995 (actual)
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Steering angle: -0.573050310043131 (pred)	-20.17 (actual)
Steering angle: -0.6761255485814397 (pred)	-19.97 (actual)
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Steering angle: -1.233129182943272 (pred)	-19.26 (actual)
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Steering angle: -2.5569837686318233 (pred)	-18.760000000000005 (actual)
Steering angle: -2.6577346084182123 (pred)	-18.45 (actual)
Steering angle: -3.1614034299855307 (pred)	-17.55 (actual)
Steering angle: -5.32496147223545 (pred)	-16.939999999999998 (actual)
Steering angle: -6.658234035015803 (pred)	-16.54 (actual)
Steering angle: -7.82225877903147 (pred)	-16.44 (actual)
Steering angle: -7.753049325945377 (pred)	-16.44 (actual)

Steering angle: -7.188510285381729 (pred)	-16.44 (actual)
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Steering angle: -6.841459835916918 (pred)	-15.929999999999998 (actual)
Steering angle: -7.398438710843009 (pred)	-15.53 (actual)
Steering angle: -6.915110619510812 (pred)	-15.53 (actual)
Steering angle: -6.791130733244033 (pred)	-15.43 (actual)
Steering angle: -6.551810296236895 (pred)	-15.43 (actual)
Steering angle: -5.742128082398672 (pred)	-15.43 (actual)
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Steering angle: -6.39486450194105 (pred)	-15.63 (actual)
Steering angle: -6.806835045693185 (pred)	-16.13 (actual)
Steering angle: -6.794814766527609 (pred)	0.0 (actual)
Steering angle: -7.703707185607559 (pred)	-17.55 (actual)
Steering angle: -7.878306457586949 (pred)	-18.149999999999995 (actual)
Steering angle: -7.70234029399991 (pred)	-18.66 (actual)
Steering angle: -5.976452236027946 (pred)	-19.16 (actual)
Steering angle: -5.0548300518823845 (pred)	-19.76 (actual)
Steering angle: -5.010653242104388 (pred)	-19.87 (actual)
Steering angle: -4.6574137874779 (pred)	-19.87 (actual)
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Steering angle: -12.454799578873123 (pred)	-20.17 (actual)
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Steering angle: -8.000495126743893 (pred)	-21.18 (actual)
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Steering angle: -8.774650111614294 (pred)	-21.18 (actual)
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Steering angle: -10.46532427554661 (pred)	-21.18 (actual)
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Steering angle: -10.914305053090107 (pred)	-21.18 (actual)
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Steering angle: -10.066083496860086 (pred)	-20.17 (actual)
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Steering angle: -12.90334493185703 (pred)	-18.55 (actual)
Steering angle: -13.275813930318042 (pred)	-18.35 (actual)
Steering angle: -11.237108331001371 (pred)	-18.05 (actual)
Steering angle: -10.085686139778023 (pred)	0.0 (actual)
Steering angle: -9.921397038350769 (pred)	-16.74 (actual)
Steering angle: -12.21777152410617 (pred)	-16.13 (actual)
Steering angle: -12.80222273647699 (pred)	-15.929999999999998 (actual)
Steering angle: -13.011045062237084 (pred)	-15.929999999999998 (actual)
Steering angle: -12.918506244267165 (pred)	-15.929999999999998 (actual)
Steering angle: -12.82660946407923 (pred)	-15.929999999999998 (actual)
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Steering angle: -11.39392605925028 (pred)	-15.83 (actual)
Steering angle: -12.058003154135816 (pred)	-15.83 (actual)
Steering angle: -12.425038737112084 (pred)	-15.83 (actual)
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Steering angle: -10.50783537294077 (pred)	-19.16 (actual)
Steering angle: -10.397552577280806 (pred)	-19.16 (actual)
Steering angle: -10.24600071108332 (pred)	-19.26 (actual)
Steering angle: -10.16406256050392 (pred)	-19.26 (actual)
Steering angle: -10.164085612392368 (pred)	-19.36 (actual)
Steering angle: -9.930759520155563 (pred)	-19.36 (actual)
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Steering angle: -9.74076585556061 (pred)	-19.36 (actual)
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Steering angle: -9.85691492994397 (pred)	-19.76 (actual)
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Steering angle: -9.570465333890098 (pred)	-19.97 (actual)
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Steering angle: -4.959704299764324 (pred)	-8.17 (actual)
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Steering angle: -4.51536975840373 (pred)	-4.54 (actual)
Steering angle: -4.932345123270192 (pred)	-4.54 (actual)
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Steering angle: -5.197069595121546 (pred)	-4.24 (actual)
Steering angle: -4.967949191866175 (pred)	-3.4300000000000006 (actual)
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Steering angle: -5.298415942026195 (pred)	-2.32 (actual)
Steering angle: -5.482147176925892 (pred)	-1.71 (actual)
Steering angle: -5.173639484947463 (pred)	-1.21 (actual)
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Steering angle: -3.4551250430713507 (pred)	-0.1 (actual)
Steering angle: -3.3803417287357043 (pred)	0.0 (actual)
Steering angle: -3.6230687225913862 (pred)	0.5 (actual)
Steering angle: -4.642771569444685 (pred)	0.81 (actual)
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Steering angle: -4.308204144461719 (pred)	2.7200000000000006 (actual)
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Steering angle: 0.2807986817327445 (pred)	17.34 (actual)
Steering angle: 0.3207433355462716 (pred)	17.140000000000004 (actual)
Steering angle: 0.36854420100919427 (pred)	17.04 (actual)
Steering angle: 0.42888956265649164 (pred)	17.04 (actual)
Steering angle: 0.48804988648279174 (pred)	16.939999999999998 (actual)
Steering angle: 0.49569201439038973 (pred)	16.84 (actual)
Steering angle: 0.5409520494820677 (pred)	16.64 (actual)
Steering angle: 0.5256517854110044 (pred)	16.24 (actual)
Steering angle: 0.5270306298497007 (pred)	15.929999999999998 (actual)
Steering angle: 0.5322168778638561 (pred)	15.63 (actual)
Steering angle: 0.5879791825780749 (pred)	15.33 (actual)
Steering angle: 0.6060559185467483 (pred)	14.82 (actual)
Steering angle: 0.620326104713609 (pred)	14.22 (actual)
Steering angle: 0.6382813913811032 (pred)	13.610000000000001 (actual)
Steering angle: 0.7017532721209738 (pred)	13.31 (actual)
Steering angle: 0.7343556860201488 (pred)	13.21 (actual)

Steering angle: 0.7388589151173027 (pred)	13.21 (actual)
Steering angle: 0.7260651170282226 (pred)	13.21 (actual)
Steering angle: 0.6848812107671614 (pred)	13.21 (actual)
Steering angle: 0.6616116100385742 (pred)	13.11 (actual)
Steering angle: 0.6598238080233234 (pred)	13.01 (actual)
Steering angle: 0.668068700125175 (pred)	13.01 (actual)
Steering angle: 0.5793182892670872 (pred)	13.01 (actual)
Steering angle: 0.7730926770110529 (pred)	12.709999999999999 (actual)
Steering angle: 1.0551361607200322 (pred)	12.100000000000001 (actual)
Steering angle: 1.0443854429664323 (pred)	11.39 (actual)
Steering angle: 1.021224271490919 (pred)	10.49 (actual)
Steering angle: 0.9266272187033002 (pred)	9.979999999999999 (actual)
Steering angle: 0.8841773795682594 (pred)	9.88 (actual)
Steering angle: 0.9321063110781198 (pred)	9.88 (actual)
Steering angle: 0.9550211688566894 (pred)	9.68 (actual)
Steering angle: 0.853146122621599 (pred)	9.68 (actual)
Steering angle: 0.8219003550463178 (pred)	9.68 (actual)
Steering angle: 1.0077805382136298 (pred)	9.68 (actual)
Steering angle: 1.133342893933736 (pred)	9.48 (actual)
Steering angle: 1.0529165626831898 (pred)	9.48 (actual)
Steering angle: 1.0447929064391057 (pred)	9.380000000000003 (actual)
Steering angle: 0.9689690554720902 (pred)	9.380000000000003 (actual)
Steering angle: 0.9392745946120482 (pred)	9.48 (actual)
Steering angle: 0.7385652169829923 (pred)	9.380000000000003 (actual)
Steering angle: 0.7076351322134126 (pred)	9.380000000000003 (actual)
Steering angle: 0.695934377834946 (pred)	9.380000000000003 (actual)
Steering angle: 0.6643932045780618 (pred)	9.380000000000003 (actual)
Steering angle: 0.6846737437711222 (pred)	9.380000000000003 (actual)
Steering angle: 0.789810632221717 (pred)	9.380000000000003 (actual)
Steering angle: 0.8102593648230889 (pred)	9.380000000000003 (actual)
Steering angle: 0.7460521715303841 (pred)	9.380000000000003 (actual)
Steering angle: 0.6388429609969252 (pred)	9.380000000000003 (actual)
Steering angle: 0.45961687618508645 (pred)	9.380000000000003 (actual)
Steering angle: 0.3563019406955927 (pred)	9.380000000000003 (actual)
Steering angle: 0.3199890265298083 (pred)	9.380000000000003 (actual)
Steering angle: 0.377412134429398 (pred)	9.380000000000003 (actual)
Steering angle: 0.369248991154175 (pred)	9.380000000000003 (actual)
Steering angle: 0.42535045744936717 (pred)	9.380000000000003 (actual)
Steering angle: 0.5697739536756405 (pred)	9.380000000000003 (actual)
Steering angle: 0.8113144156064444 (pred)	9.380000000000003 (actual)
Steering angle: 1.2528197645467727 (pred)	9.380000000000003 (actual)
Steering angle: 1.7165368886679824 (pred)	9.380000000000003 (actual)
Steering angle: 2.24229838399253 (pred)	9.380000000000003 (actual)
Steering angle: 2.534869323646615 (pred)	9.380000000000003 (actual)
Steering angle: 2.2221345983455945 (pred)	9.78 (actual)
Steering angle: 1.8790223932675314 (pred)	9.979999999999999 (actual)
Steering angle: 1.8914085144405264 (pred)	9.979999999999999 (actual)
Steering angle: 1.8265225710990514 (pred)	9.979999999999999 (actual)

Steering angle: 1.901309300529283 (pred)	9.979999999999999 (actual)
Steering angle: 2.0229590250720295 (pred)	9.979999999999999 (actual)
Steering angle: 2.062565797965053 (pred)	9.979999999999999 (actual)
Steering angle: 2.4698527529372636 (pred)	9.979999999999999 (actual)
Steering angle: 2.4413706506548984 (pred)	9.979999999999999 (actual)
Steering angle: 3.0087911772746465 (pred)	9.979999999999999 (actual)
Steering angle: 3.0047451439650605 (pred)	9.979999999999999 (actual)
Steering angle: 2.8384575718753413 (pred)	9.979999999999999 (actual)
Steering angle: 3.15341402964732 (pred)	9.979999999999999 (actual)
Steering angle: 2.609867788941117 (pred)	9.979999999999999 (actual)
Steering angle: 2.506967360556878 (pred)	9.979999999999999 (actual)
Steering angle: 2.8345532649910328 (pred)	9.979999999999999 (actual)
Steering angle: 3.260385677663709 (pred)	9.979999999999999 (actual)
Steering angle: 3.6734221578131896 (pred)	9.979999999999999 (actual)
Steering angle: 9.390207250183353 (pred)	9.979999999999999 (actual)
Steering angle: 9.959701592989846 (pred)	9.979999999999999 (actual)
Steering angle: 8.896898544926474 (pred)	9.979999999999999 (actual)
Steering angle: 8.476450882640707 (pred)	9.979999999999999 (actual)
Steering angle: 8.198554390974984 (pred)	9.979999999999999 (actual)
Steering angle: 8.610889496074067 (pred)	9.979999999999999 (actual)
Steering angle: 7.9127195119464115 (pred)	9.979999999999999 (actual)
Steering angle: 5.7577722038057635 (pred)	9.979999999999999 (actual)
Steering angle: 5.0412396829813515 (pred)	9.979999999999999 (actual)
Steering angle: 4.444414765097875 (pred)	9.979999999999999 (actual)
Steering angle: 4.700619429733285 (pred)	9.979999999999999 (actual)
Steering angle: 5.791646100107618 (pred)	9.979999999999999 (actual)
Steering angle: 4.70054643208653 (pred)	9.979999999999999 (actual)
Steering angle: 4.347563963327564 (pred)	9.979999999999999 (actual)
Steering angle: 4.196006334513212 (pred)	9.979999999999999 (actual)
Steering angle: 3.680892250331068 (pred)	9.979999999999999 (actual)
Steering angle: 3.5159690085280593 (pred)	9.979999999999999 (actual)
Steering angle: 3.7663182800540635 (pred)	9.979999999999999 (actual)
Steering angle: 3.9116937338959077 (pred)	9.979999999999999 (actual)
Steering angle: 3.5809435308853326 (pred)	9.979999999999999 (actual)
Steering angle: 3.564224295014199 (pred)	9.979999999999999 (actual)
Steering angle: 4.081726170641497 (pred)	9.979999999999999 (actual)
Steering angle: 4.617834548784968 (pred)	9.979999999999999 (actual)
Steering angle: 4.895950460277779 (pred)	9.979999999999999 (actual)
Steering angle: 5.026979101768011 (pred)	9.979999999999999 (actual)
Steering angle: 5.007697904627888 (pred)	9.979999999999999 (actual)
Steering angle: 6.248751387668844 (pred)	9.979999999999999 (actual)
Steering angle: 6.37302027631488 (pred)	9.979999999999999 (actual)
Steering angle: 8.105074714446896 (pred)	9.979999999999999 (actual)
Steering angle: 8.679193095321487 (pred)	9.979999999999999 (actual)
Steering angle: 8.538445948415974 (pred)	9.979999999999999 (actual)
Steering angle: 6.9756350601804105 (pred)	9.979999999999999 (actual)
Steering angle: 3.9369253064635807 (pred)	9.979999999999999 (actual)
Steering angle: 3.7215813947641263 (pred)	9.979999999999999 (actual)



Steering angle: 5.653286531203847 (pred)	9.979999999999999 (actual)
Steering angle: 8.198512556066317 (pred)	9.979999999999999 (actual)
Steering angle: 9.470141807813658 (pred)	9.979999999999999 (actual)
Steering angle: 9.031796488581518 (pred)	9.979999999999999 (actual)
Steering angle: 7.105659236975828 (pred)	9.979999999999999 (actual)
Steering angle: 4.996100243417207 (pred)	0.0 (actual)
Steering angle: 2.496385903428647 (pred)	9.979999999999999 (actual)
Steering angle: 1.9232967466846118 (pred)	9.979999999999999 (actual)
Steering angle: 1.8139966444914828 (pred)	10.08 (actual)
Steering angle: 2.0191751002718425 (pred)	10.29 (actual)
Steering angle: 2.201538162903421 (pred)	10.49 (actual)
Steering angle: 2.5482210628135205 (pred)	10.59 (actual)
Steering angle: 2.1978112274941215 (pred)	10.59 (actual)
Steering angle: 1.8652435538340884 (pred)	10.69 (actual)
Steering angle: 1.1957597238902513 (pred)	10.89 (actual)
Steering angle: 0.9703916558101569 (pred)	11.19 (actual)
Steering angle: 0.9957756269736862 (pred)	11.39 (actual)
Steering angle: 1.6591835767639738 (pred)	11.6 (actual)
Steering angle: 2.152724295009221 (pred)	12.0 (actual)
Steering angle: 2.5866118485908696 (pred)	12.2 (actual)
Steering angle: 3.4358788506507243 (pred)	12.61 (actual)
Steering angle: 3.4447913937439445 (pred)	12.61 (actual)
Steering angle: 3.51105810251482 (pred)	12.709999999999999 (actual)
Steering angle: 3.3153975153428727 (pred)	12.709999999999999 (actual)
Steering angle: 3.188469548675587 (pred)	12.709999999999999 (actual)
Steering angle: 2.9729341782359606 (pred)	0.0 (actual)
Steering angle: 3.160354355617699 (pred)	12.709999999999999 (actual)
Steering angle: 3.7446704223665312 (pred)	12.709999999999999 (actual)
Steering angle: 3.8552311213483508 (pred)	12.709999999999999 (actual)
Steering angle: 4.010785264600806 (pred)	12.709999999999999 (actual)
Steering angle: 3.9321296598925857 (pred)	12.709999999999999 (actual)
Steering angle: 2.842505099288809 (pred)	12.709999999999999 (actual)
Steering angle: 2.5059993946854404 (pred)	12.709999999999999 (actual)
Steering angle: 2.3036371112772414 (pred)	12.5 (actual)
Steering angle: 2.042615882616503 (pred)	12.0 (actual)
Steering angle: 2.03998924799381 (pred)	11.39 (actual)
Steering angle: 2.2616988959997166 (pred)	10.69 (actual)
Steering angle: 3.2176338161013067 (pred)	10.29 (actual)
Steering angle: 3.9738757760997037 (pred)	9.88 (actual)
Steering angle: 4.166794469206714 (pred)	9.58 (actual)
Steering angle: 4.460833259202117 (pred)	9.380000000000003 (actual)
Steering angle: 4.922669733424046 (pred)	9.18 (actual)
Steering angle: 5.741921896063102 (pred)	9.18 (actual)
Steering angle: 5.714579368155072 (pred)	9.18 (actual)
Steering angle: 6.024452244193856 (pred)	9.18 (actual)
Steering angle: 7.335362767631588 (pred)	9.18 (actual)
Steering angle: 7.744000179068757 (pred)	9.18 (actual)
Steering angle: 8.365627648262665 (pred)	9.18 (actual)

Steering angle: 9.54132860066447 (pred)	9.18 (actual)
Steering angle: 9.617428007075812 (pred)	9.18 (actual)
Steering angle: 9.48725143168454 (pred)	9.18 (actual)
Steering angle: 9.41066366674754 (pred)	9.18 (actual)
Steering angle: 9.226943530905245 (pred)	9.28 (actual)
Steering angle: 8.90479168228607 (pred)	9.28 (actual)
Steering angle: 8.16581558673582 (pred)	9.28 (actual)
Steering angle: 7.787191734058979 (pred)	9.28 (actual)
Steering angle: 7.735470126569057 (pred)	9.28 (actual)
Steering angle: 7.62099017966412 (pred)	9.28 (actual)
Steering angle: 7.680865325475744 (pred)	9.28 (actual)
Steering angle: 7.477187376878671 (pred)	9.28 (actual)
Steering angle: 7.672064626730183 (pred)	9.28 (actual)
Steering angle: 7.748818877528201 (pred)	9.28 (actual)
Steering angle: 7.530773626012007 (pred)	9.28 (actual)
Steering angle: 7.435979991842339 (pred)	9.28 (actual)
Steering angle: 7.469959329189505 (pred)	9.28 (actual)
Steering angle: 7.400394706266572 (pred)	9.28 (actual)
Steering angle: 6.460500058543933 (pred)	9.28 (actual)
Steering angle: 6.332063473843721 (pred)	9.28 (actual)
Steering angle: 6.463739702644635 (pred)	9.28 (actual)
Steering angle: 6.3195048903941835 (pred)	9.28 (actual)
Steering angle: 6.202791044743829 (pred)	9.28 (actual)
Steering angle: 6.059675529743613 (pred)	9.28 (actual)
Steering angle: 5.947716776416056 (pred)	9.28 (actual)
Steering angle: 5.7878860809695265 (pred)	9.28 (actual)
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Steering angle: 5.633697548664251 (pred)	9.28 (actual)
Steering angle: 5.704032702302926 (pred)	9.380000000000003 (actual)
Steering angle: 5.435028263162913 (pred)	9.380000000000003 (actual)
Steering angle: 5.407343798909558 (pred)	9.380000000000003 (actual)
Steering angle: 5.469688058106143 (pred)	9.380000000000003 (actual)
Steering angle: 5.49230494888217 (pred)	9.380000000000003 (actual)
Steering angle: 5.494470545735887 (pred)	9.380000000000003 (actual)
Steering angle: 5.646585688741242 (pred)	9.380000000000003 (actual)
Steering angle: 5.699044529774701 (pred)	9.380000000000003 (actual)
Steering angle: 5.866462711615469 (pred)	9.380000000000003 (actual)
Steering angle: 5.817844144442849 (pred)	9.380000000000003 (actual)
Steering angle: 5.856450081179053 (pred)	9.380000000000003 (actual)
Steering angle: 5.978752729117771 (pred)	9.380000000000003 (actual)
Steering angle: 6.181590564446932 (pred)	9.380000000000003 (actual)
Steering angle: 6.2180074255541475 (pred)	9.380000000000003 (actual)
Steering angle: 6.26644883469517 (pred)	9.380000000000003 (actual)
Steering angle: 6.221822513092423 (pred)	9.380000000000003 (actual)
Steering angle: 6.431000898405471 (pred)	9.58 (actual)
Steering angle: 7.007396720481439 (pred)	9.979999999999999 (actual)
Steering angle: 7.214361697616581 (pred)	10.08 (actual)
Steering angle: 8.238800426885637 (pred)	9.979999999999999 (actual)

Steering angle: 8.630443473894168 (pred)	10.29 (actual)
Steering angle: 8.901939224533944 (pred)	10.389999999999999 (actual)
Steering angle: 9.944475393782595 (pred)	10.18 (actual)
Steering angle: 10.22007096547167 (pred)	10.18 (actual)
Steering angle: 9.996996133405409 (pred)	9.979999999999999 (actual)
Steering angle: 9.881016959977652 (pred)	9.979999999999999 (actual)
Steering angle: 9.548838393656899 (pred)	9.88 (actual)
Steering angle: 9.451178641356764 (pred)	9.88 (actual)
Steering angle: 9.50130027703361 (pred)	9.88 (actual)
Steering angle: 9.578549716546455 (pred)	9.78 (actual)
Steering angle: 9.482077563388255 (pred)	9.78 (actual)
Steering angle: 9.344219586501657 (pred)	0.0 (actual)
Steering angle: 8.939780180083106 (pred)	9.78 (actual)
Steering angle: 8.9960293492191 (pred)	9.78 (actual)
Steering angle: 8.94286144917243 (pred)	9.78 (actual)
Steering angle: 8.84587020163731 (pred)	9.78 (actual)
Steering angle: 8.793272622386333 (pred)	9.78 (actual)
Steering angle: 8.496542737857945 (pred)	9.78 (actual)
Steering angle: 8.019381453572624 (pred)	9.78 (actual)
Steering angle: 6.584178135826762 (pred)	9.78 (actual)
Steering angle: 5.97543539161526 (pred)	9.78 (actual)
Steering angle: 5.411648525633959 (pred)	9.78 (actual)
Steering angle: 4.409778448929917 (pred)	9.78 (actual)
Steering angle: 4.090366786828387 (pred)	9.78 (actual)
Steering angle: 3.7384131153131537 (pred)	9.78 (actual)
Steering angle: 3.125090515819746 (pred)	9.78 (actual)
Steering angle: 2.8580922313050126 (pred)	9.78 (actual)
Steering angle: 2.382169132250167 (pred)	9.78 (actual)
Steering angle: 2.4282105836715764 (pred)	9.78 (actual)
Steering angle: 2.267940408240639 (pred)	9.78 (actual)
Steering angle: 2.2923254642380537 (pred)	9.78 (actual)
Steering angle: 2.2917585585369427 (pred)	9.78 (actual)
Steering angle: 2.52480354580072 (pred)	9.78 (actual)
Steering angle: 2.5591679350623466 (pred)	9.78 (actual)
Steering angle: 2.60288818938301 (pred)	0.0 (actual)
Steering angle: 2.9914369472541136 (pred)	9.78 (actual)
Steering angle: 3.324711972380066 (pred)	9.78 (actual)
Steering angle: 3.7375794053475886 (pred)	9.78 (actual)
Steering angle: 4.157758982708433 (pred)	9.78 (actual)
Steering angle: 4.941711873943218 (pred)	9.78 (actual)
Steering angle: 5.161833502967096 (pred)	9.78 (actual)
Steering angle: 5.738678836867816 (pred)	9.78 (actual)
Steering angle: 6.919678308518258 (pred)	9.78 (actual)
Steering angle: 7.122503337242725 (pred)	9.78 (actual)
Steering angle: 7.391582908463609 (pred)	9.78 (actual)
Steering angle: 7.703519355405384 (pred)	9.78 (actual)
Steering angle: 7.946230127561787 (pred)	9.78 (actual)
Steering angle: 8.103220318087237 (pred)	9.88 (actual)

Steering angle: 8.208177273741885 (pred)	9.78 (actual)
Steering angle: 8.40056662718822 (pred)	9.78 (actual)
Steering angle: 8.744055986774514 (pred)	9.78 (actual)
Steering angle: 8.804419491111794 (pred)	9.78 (actual)
Steering angle: 9.055915594088127 (pred)	9.78 (actual)
Steering angle: 9.533006868934455 (pred)	9.78 (actual)
Steering angle: 9.795896581220015 (pred)	9.78 (actual)
Steering angle: 10.28102015853028 (pred)	9.78 (actual)
Steering angle: 10.461349959223309 (pred)	9.78 (actual)
Steering angle: 11.229747948397037 (pred)	9.78 (actual)
Steering angle: 11.299679693987859 (pred)	9.78 (actual)
Steering angle: 11.20509779568246 (pred)	9.78 (actual)
Steering angle: 11.001434361237374 (pred)	9.78 (actual)
Steering angle: 10.918501350561433 (pred)	9.78 (actual)
Steering angle: 10.809543611600452 (pred)	9.78 (actual)
Steering angle: 10.405489257096361 (pred)	9.78 (actual)
Steering angle: 10.278265030973825 (pred)	9.78 (actual)
Steering angle: 10.246405613590301 (pred)	9.78 (actual)
Steering angle: 9.816037955308737 (pred)	9.78 (actual)
Steering angle: 9.729689850047789 (pred)	9.78 (actual)
Steering angle: 9.798349472905695 (pred)	9.88 (actual)
Steering angle: 9.502113923318488 (pred)	9.78 (actual)
Steering angle: 8.890660020893314 (pred)	9.78 (actual)
Steering angle: 6.784826468640111 (pred)	9.78 (actual)
Steering angle: 5.236605291358519 (pred)	9.78 (actual)
Steering angle: 4.137095952921852 (pred)	9.78 (actual)
Steering angle: 1.9887954860606838 (pred)	9.78 (actual)
Steering angle: 1.4075096754258098 (pred)	9.78 (actual)
Steering angle: 0.9654803229100946 (pred)	9.78 (actual)
Steering angle: 0.42191914116508206 (pred)	9.88 (actual)
Steering angle: 0.35975268033033003 (pred)	9.78 (actual)
Steering angle: 0.2585516883889552 (pred)	9.78 (actual)
Steering angle: 0.21500709799600826 (pred)	9.78 (actual)
Steering angle: 0.24030825311585113 (pred)	9.78 (actual)
Steering angle: 0.3097591107004217 (pred)	9.78 (actual)
Steering angle: 0.44409441752258627 (pred)	9.78 (actual)
Steering angle: 0.4998029344970912 (pred)	9.78 (actual)
Steering angle: 0.6118953034002861 (pred)	9.78 (actual)
Steering angle: 1.0859678480768815 (pred)	9.78 (actual)
Steering angle: 1.6031239453774477 (pred)	9.78 (actual)
Steering angle: 1.9926673495464347 (pred)	9.78 (actual)
Steering angle: 2.592255719279416 (pred)	9.78 (actual)
Steering angle: 3.256029084190299 (pred)	9.78 (actual)
Steering angle: 4.405723450997045 (pred)	9.78 (actual)
Steering angle: 5.18273174739322 (pred)	9.78 (actual)
Steering angle: 5.84022667435298 (pred)	9.78 (actual)
Steering angle: 7.807651565717752 (pred)	0.0 (actual)
Steering angle: 8.379229969994745 (pred)	9.78 (actual)

Steering angle: 8.4735139012976 (pred)	9.78 (actual)
Steering angle: 8.17160331828376 (pred)	9.78 (actual)
Steering angle: 8.380864946527318 (pred)	9.78 (actual)
Steering angle: 8.305947162842386 (pred)	9.78 (actual)
Steering angle: 8.355368704129306 (pred)	9.78 (actual)
Steering angle: 8.133579655174298 (pred)	9.78 (actual)
Steering angle: 7.77105626591847 (pred)	9.78 (actual)
Steering angle: 6.918078763592006 (pred)	9.78 (actual)
Steering angle: 6.634361670092962 (pred)	9.78 (actual)
Steering angle: 5.942716224169961 (pred)	9.78 (actual)
Steering angle: 5.213136761370355 (pred)	9.78 (actual)
Steering angle: 4.812972199598587 (pred)	9.78 (actual)
Steering angle: 4.801372403953789 (pred)	9.78 (actual)
Steering angle: 3.843842207794178 (pred)	9.78 (actual)
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Steering angle: 5.517494686541177 (pred)	9.78 (actual)
Steering angle: 5.452517389419554 (pred)	9.78 (actual)
Steering angle: 5.475584645793979 (pred)	9.78 (actual)
Steering angle: 5.3782984194640795 (pred)	9.78 (actual)
Steering angle: 5.522252340184914 (pred)	9.88 (actual)
Steering angle: 5.3948752885797004 (pred)	9.78 (actual)
Steering angle: 5.456535248198813 (pred)	9.78 (actual)
Steering angle: 5.468845383517292 (pred)	9.78 (actual)
Steering angle: 5.528863536414663 (pred)	9.78 (actual)
Steering angle: 5.417279162830988 (pred)	9.78 (actual)
Steering angle: 5.440680244701098 (pred)	9.78 (actual)
Steering angle: 5.425714446455954 (pred)	9.78 (actual)
Steering angle: 5.538206808312418 (pred)	9.78 (actual)
Steering angle: 5.535260435459204 (pred)	9.78 (actual)
Steering angle: 5.488875767032001 (pred)	9.78 (actual)
Steering angle: 5.465414067233007 (pred)	9.78 (actual)
Steering angle: 5.48731464191983 (pred)	9.78 (actual)
Steering angle: 5.4267701375695445 (pred)	9.78 (actual)
Steering angle: 5.39705625335905 (pred)	9.88 (actual)
Steering angle: 5.426968213055474 (pred)	9.78 (actual)
Steering angle: 5.431298979876086 (pred)	9.78 (actual)
Steering angle: 5.37114635762943 (pred)	9.78 (actual)
Steering angle: 5.376332605643585 (pred)	9.78 (actual)
Steering angle: 5.358360243503165 (pred)	9.78 (actual)
Steering angle: 5.367160942248727 (pred)	9.78 (actual)
Steering angle: 5.388487781045269 (pred)	9.78 (actual)
Steering angle: 5.454955340066425 (pred)	9.78 (actual)
Steering angle: 5.396899585894963 (pred)	9.78 (actual)
Steering angle: 5.483304040216563 (pred)	9.78 (actual)
Steering angle: 5.420047950765782 (pred)	9.78 (actual)
Steering angle: 5.514809141536893 (pred)	9.78 (actual)
Steering angle: 5.4678020721215725 (pred)	9.78 (actual)
Steering angle: 5.379842469103325 (pred)	9.78 (actual)
Steering angle: 5.318191474107498 (pred)	9.78 (actual)
Steering angle: 5.342500544250396 (pred)	9.78 (actual)
Steering angle: 5.358070814237086 (pred)	9.78 (actual)
Steering angle: 5.357606361373525 (pred)	9.78 (actual)
Steering angle: 5.41641087503275 (pred)	9.78 (actual)
Steering angle: 5.470485482691742 (pred)	9.78 (actual)
Steering angle: 5.42461307845229 (pred)	9.78 (actual)
Steering angle: 5.481487209897339 (pred)	9.78 (actual)
Steering angle: 5.521859177420815 (pred)	9.78 (actual)

Steering angle: 5.733034112405623 (pred)	9.78 (actual)
Steering angle: 5.736248997070584 (pred)	9.78 (actual)
Steering angle: 6.05226221317321 (pred)	9.78 (actual)
Steering angle: 5.574030296735488 (pred)	9.380000000000003 (actual)
Steering angle: 6.0564439964925505 (pred)	9.08 (actual)
Steering angle: 5.6081846576801375 (pred)	8.97 (actual)
Steering angle: 5.130857741307443 (pred)	8.97 (actual)
Steering angle: 4.4616229998248995 (pred)	9.08 (actual)
Steering angle: 4.010932540554784 (pred)	9.08 (actual)
Steering angle: 3.837228877130313 (pred)	8.97 (actual)
Steering angle: 3.8170977483253465 (pred)	8.97 (actual)
Steering angle: 3.75023403833233 (pred)	8.97 (actual)
Steering angle: 3.9286441289817637 (pred)	8.87 (actual)
Steering angle: 3.9874422393386415 (pred)	8.87 (actual)
Steering angle: 4.151196024689697 (pred)	0.0 (actual)
Steering angle: 4.164190032698824 (pred)	8.87 (actual)
Steering angle: 4.031736442992997 (pred)	8.87 (actual)
Steering angle: 3.9975338438373353 (pred)	8.87 (actual)
Steering angle: 4.03611245981686 (pred)	8.87 (actual)
Steering angle: 4.024418749070975 (pred)	8.87 (actual)
Steering angle: 3.7388959243101088 (pred)	8.87 (actual)
Steering angle: 3.760970241933944 (pred)	8.77 (actual)
Steering angle: 3.740355023471553 (pred)	8.77 (actual)
Steering angle: 3.504528868555111 (pred)	8.77 (actual)
Steering angle: 3.3523661276689785 (pred)	8.570000000000002 (actual)
Steering angle: 3.0398783563951364 (pred)	7.760000000000002 (actual)
Steering angle: 2.620178386380074 (pred)	7.26 (actual)
Steering angle: 2.4690152009902904 (pred)	6.659999999999999 (actual)
Steering angle: 2.383205400013305 (pred)	6.35 (actual)
Steering angle: 2.3251443097565536 (pred)	6.35 (actual)
Steering angle: 2.3838188363781363 (pred)	6.35 (actual)
Steering angle: 2.4100634113770876 (pred)	6.659999999999999 (actual)
Steering angle: 2.4114936956779705 (pred)	7.460000000000001 (actual)
Steering angle: 2.4764464468072642 (pred)	8.469999999999999 (actual)
Steering angle: 2.5266805671620043 (pred)	9.48 (actual)
Steering angle: 2.6231601908396076 (pred)	10.59 (actual)
Steering angle: 2.7031756435228953 (pred)	11.089999999999998 (actual)
Steering angle: 2.7123364213037635 (pred)	11.19 (actual)
Steering angle: 2.938826134511621 (pred)	11.290000000000001 (actual)
Steering angle: 3.090120374156104 (pred)	11.39 (actual)
Steering angle: 3.2508428361761434 (pred)	11.899999999999999 (actual)
Steering angle: 3.4134083820550285 (pred)	12.300000000000002 (actual)
Steering angle: 3.2499337806862973 (pred)	12.81 (actual)
Steering angle: 3.013607314413152 (pred)	13.11 (actual)
Steering angle: 2.948699386400286 (pred)	13.11 (actual)
Steering angle: 3.363081413816259 (pred)	13.21 (actual)
Steering angle: 3.370478935574206 (pred)	13.41 (actual)
Steering angle: 3.6724309266098913 (pred)	13.41 (actual)

Steering angle: 3.6875935196804965 (pred)	14.12 (actual)
Steering angle: 3.648966665489959 (pred)	14.420000000000002 (actual)
Steering angle: 3.4845706289135103 (pred)	14.52 (actual)
Steering angle: 3.394267203792891 (pred)	14.52 (actual)
Steering angle: 3.3014402372173635 (pred)	14.52 (actual)
Steering angle: 3.3622323359250617 (pred)	14.72 (actual)
Steering angle: 3.325890180011893 (pred)	15.030000000000001 (actual)
Steering angle: 3.673234327611014 (pred)	15.33 (actual)
Steering angle: 3.7962340817318965 (pred)	15.63 (actual)
Steering angle: 3.847664125521623 (pred)	15.929999999999998 (actual)
Steering angle: 3.176232411003863 (pred)	16.03 (actual)
Steering angle: 2.619125470030834 (pred)	16.03 (actual)
Steering angle: 2.293187775620768 (pred)	16.03 (actual)
Steering angle: 1.9706850260329833 (pred)	16.03 (actual)
Steering angle: 1.6292156948937195 (pred)	16.03 (actual)
Steering angle: 1.6575663160345617 (pred)	15.83 (actual)
Steering angle: 2.038779877623895 (pred)	15.730000000000002 (actual)
Steering angle: 2.1035027501989356 (pred)	15.63 (actual)
Steering angle: 2.1754626350864283 (pred)	15.230000000000002 (actual)
Steering angle: 2.1903402812025967 (pred)	14.32 (actual)
Steering angle: 2.135992679420217 (pred)	13.41 (actual)
Steering angle: 2.0888475121176153 (pred)	13.31 (actual)
Steering angle: 2.0757143390041506 (pred)	13.82 (actual)
Steering angle: 2.1202179306452495 (pred)	15.13 (actual)
Steering angle: 2.1506037347153435 (pred)	16.24 (actual)
Steering angle: 2.100712404479574 (pred)	17.239999999999995 (actual)
Steering angle: 2.1059018541449026 (pred)	17.239999999999995 (actual)
Steering angle: 2.0235530380864093 (pred)	16.939999999999998 (actual)
Steering angle: 1.946868583283972 (pred)	16.34 (actual)
Steering angle: 1.877533198585057 (pred)	15.83 (actual)
Steering angle: 1.7593258893839967 (pred)	15.33 (actual)
Steering angle: 1.7581694529801488 (pred)	14.52 (actual)
Steering angle: 1.6844979653753334 (pred)	13.92 (actual)
Steering angle: 1.6859410562809103 (pred)	13.71 (actual)
Steering angle: 1.7181366470376462 (pred)	13.71 (actual)
Steering angle: 1.7234148891621852 (pred)	13.71 (actual)
Steering angle: 1.6713667132525725 (pred)	13.51 (actual)
Steering angle: 1.6905714976513557 (pred)	13.01 (actual)
Steering angle: 1.7220202499110333 (pred)	12.61 (actual)
Steering angle: 1.7999968911270723 (pred)	12.300000000000002 (actual)
Steering angle: 1.8805453120090325 (pred)	12.300000000000002 (actual)
Steering angle: 2.0281768627110965 (pred)	12.300000000000002 (actual)
Steering angle: 2.1103880077691315 (pred)	12.0 (actual)
Steering angle: 2.1555987374327388 (pred)	11.39 (actual)
Steering angle: 2.0721677632776214 (pred)	10.69 (actual)
Steering angle: 1.886318956291809 (pred)	10.49 (actual)
Steering angle: 1.8417575214861763 (pred)	10.49 (actual)
Steering angle: 1.851590859456879 (pred)	10.49 (actual)

Steering angle: 2.1595794570583866 (pred)	10.49 (actual)
Steering angle: 2.36243394097365 (pred)	10.08 (actual)
Steering angle: 2.402706657310749 (pred)	9.48 (actual)
Steering angle: 2.5393896282166937 (pred)	8.67 (actual)
Steering angle: 2.474948927831739 (pred)	8.37 (actual)
Steering angle: 2.766756380402663 (pred)	8.27 (actual)
Steering angle: 2.182918853782555 (pred)	7.969999999999999 (actual)
Steering angle: 2.3593821270751234 (pred)	7.659999999999998 (actual)
Steering angle: 2.292483625806022 (pred)	7.26 (actual)
Steering angle: 2.654476181297293 (pred)	0.0 (actual)
Steering angle: 2.278008960850884 (pred)	7.36 (actual)
Steering angle: 2.4124411709818983 (pred)	7.659999999999998 (actual)
Steering angle: 2.823694544871182 (pred)	7.7600000000000002 (actual)
Steering angle: 3.0917619674344343 (pred)	8.07 (actual)
Steering angle: 3.369854186708561 (pred)	8.27 (actual)
Steering angle: 3.581576177157205 (pred)	8.469999999999999 (actual)
Steering angle: 3.8442315285768687 (pred)	8.5700000000000002 (actual)
Steering angle: 4.461990976266434 (pred)	8.5700000000000002 (actual)
Steering angle: 5.314171480894122 (pred)	8.5700000000000002 (actual)
Steering angle: 5.0810549900874715 (pred)	8.77 (actual)
Steering angle: 5.008432576850487 (pred)	9.08 (actual)
Steering angle: 6.327105183393115 (pred)	9.28 (actual)
Steering angle: 5.761402876236448 (pred)	9.28 (actual)
Steering angle: 5.991175989444378 (pred)	9.28 (actual)
Steering angle: 8.529021141135003 (pred)	9.3800000000000003 (actual)
Steering angle: 5.9995715725947925 (pred)	9.3800000000000003 (actual)
Steering angle: 6.267543799396488 (pred)	9.3800000000000003 (actual)
Steering angle: 6.3631899265519385 (pred)	9.3800000000000003 (actual)
Steering angle: 6.752261834224783 (pred)	9.48 (actual)
Steering angle: 7.0832425561198455 (pred)	10.389999999999999 (actual)
Steering angle: 6.9543197473280935 (pred)	11.5 (actual)
Steering angle: 6.183057774458016 (pred)	11.8 (actual)
Steering angle: 5.433624659288475 (pred)	11.6 (actual)
Steering angle: 4.7463176641489015 (pred)	11.39 (actual)
Steering angle: 4.335036969502937 (pred)	11.39 (actual)
Steering angle: 4.63957930978135 (pred)	11.2900000000000001 (actual)
Steering angle: 4.607759165985553 (pred)	10.69 (actual)
Steering angle: 4.870185279181198 (pred)	10.08 (actual)
Steering angle: 4.777315197036534 (pred)	9.88 (actual)
Steering angle: 4.344283764978665 (pred)	9.68 (actual)
Steering angle: 4.799325481636901 (pred)	9.58 (actual)
Steering angle: 5.2632703498782485 (pred)	9.58 (actual)
Steering angle: 5.961980772723981 (pred)	9.58 (actual)
Steering angle: 7.547739815910318 (pred)	9.58 (actual)
Steering angle: 7.825004515077816 (pred)	9.58 (actual)
Steering angle: 7.398300399512316 (pred)	9.58 (actual)
Steering angle: 7.176571968486193 (pred)	9.68 (actual)
Steering angle: 5.491270602109736 (pred)	9.88 (actual)

Steering angle: 4.083197649520812 (pred)	9.979999999999999 (actual)
Steering angle: 3.6185923873640893 (pred)	10.08 (actual)
Steering angle: 3.190438564147255 (pred)	10.08 (actual)
Steering angle: 3.191418909736563 (pred)	10.08 (actual)
Steering angle: 3.4217693873727706 (pred)	10.08 (actual)
Steering angle: 4.066473504451213 (pred)	10.08 (actual)
Steering angle: 4.627407485793564 (pred)	10.08 (actual)
Steering angle: 4.758294827745342 (pred)	10.08 (actual)
Steering angle: 4.605750236595923 (pred)	10.18 (actual)
Steering angle: 4.200614577768855 (pred)	10.18 (actual)
Steering angle: 3.1580312375262483 (pred)	10.29 (actual)
Steering angle: 2.9400214176163733 (pred)	10.389999999999999 (actual)
Steering angle: 2.7672908427052167 (pred)	10.49 (actual)
Steering angle: 3.931749730620004 (pred)	10.18 (actual)
Steering angle: 4.317305371530761 (pred)	9.68 (actual)
Steering angle: 5.29129461604281 (pred)	9.68 (actual)
Steering angle: 6.833453146662371 (pred)	9.68 (actual)
Steering angle: 7.782486587494486 (pred)	9.68 (actual)
Steering angle: 7.141076756030106 (pred)	9.68 (actual)
Steering angle: 6.86650272450877 (pred)	10.08 (actual)
Steering angle: 6.896240087494536 (pred)	11.290000000000001 (actual)
Steering angle: 6.510649014977459 (pred)	13.01 (actual)
Steering angle: 6.291843478029278 (pred)	13.71 (actual)
Steering angle: 5.7884555479915765 (pred)	13.82 (actual)
Steering angle: 4.032831834581138 (pred)	13.82 (actual)
Steering angle: 3.705933431375627 (pred)	13.82 (actual)
Steering angle: 3.8072891697903852 (pred)	13.82 (actual)
Steering angle: 3.7233602321560917 (pred)	13.610000000000001 (actual)
Steering angle: 3.9256529330121213 (pred)	13.41 (actual)
Steering angle: 3.922422680421528 (pred)	13.41 (actual)
Steering angle: 4.4376921514072905 (pred)	13.41 (actual)
Steering angle: 4.311975262657213 (pred)	13.41 (actual)
Steering angle: 4.394001992607658 (pred)	13.41 (actual)
Steering angle: 3.6214141092649506 (pred)	13.41 (actual)
Steering angle: 3.5143261345892594 (pred)	13.41 (actual)
Steering angle: 3.0848425589183885 (pred)	13.41 (actual)
Steering angle: 2.897217689304961 (pred)	13.41 (actual)
Steering angle: 2.624986839555763 (pred)	13.41 (actual)
Steering angle: 1.953285119122376 (pred)	13.41 (actual)
Steering angle: 1.4880653533837633 (pred)	13.41 (actual)
Steering angle: -0.0980516344037643 (pred)	13.41 (actual)
Steering angle: 0.00750467035055151 (pred)	13.41 (actual)
Steering angle: 0.8090832916253773 (pred)	13.41 (actual)
Steering angle: 1.7613399414155042 (pred)	13.41 (actual)
Steering angle: 1.3618588254475603 (pred)	13.41 (actual)
Steering angle: 1.722199115489923 (pred)	13.41 (actual)
Steering angle: 2.001431976355442 (pred)	13.41 (actual)
Steering angle: 2.253734468540659 (pred)	13.41 (actual)



Steering angle: 2.5953540638416626 (pred)	13.41 (actual)
Steering angle: 2.9874039339926326 (pred)	13.41 (actual)
Steering angle: 3.914887701106535 (pred)	13.41 (actual)
Steering angle: 4.793084396282802 (pred)	13.41 (actual)
Steering angle: 5.671548322610345 (pred)	13.41 (actual)
Steering angle: 7.457178337705119 (pred)	13.31 (actual)
Steering angle: 7.3917673235712 (pred)	12.910000000000002 (actual)
Steering angle: 7.330728484279734 (pred)	12.4 (actual)
Steering angle: 6.209250269264545 (pred)	12.2 (actual)
Steering angle: 5.07377016645083 (pred)	12.100000000000001 (actual)
Steering angle: 4.763879361165474 (pred)	11.899999999999999 (actual)
Steering angle: 3.838352016361957 (pred)	11.6 (actual)
Steering angle: 3.4381991939778245 (pred)	11.290000000000001 (actual)
Steering angle: 2.8653215596546477 (pred)	11.290000000000001 (actual)
Steering angle: 2.9591346347915963 (pred)	11.19 (actual)
Steering angle: 3.357032214089155 (pred)	10.69 (actual)
Steering angle: 3.573163091647042 (pred)	9.88 (actual)
Steering angle: 3.6942760060097077 (pred)	9.58 (actual)
Steering angle: 3.9546244610371994 (pred)	9.58 (actual)
Steering angle: 3.8982933296311657 (pred)	9.58 (actual)
Steering angle: 7.918883757672348 (pred)	9.58 (actual)
Steering angle: 6.292362145519376 (pred)	9.58 (actual)
Steering angle: 6.609606503219896 (pred)	9.58 (actual)
Steering angle: 6.4404150335158645 (pred)	9.58 (actual)
Steering angle: 7.88653085912129 (pred)	9.78 (actual)
Steering angle: 7.6161603821472745 (pred)	9.979999999999999 (actual)
Steering angle: 5.051258716720114 (pred)	10.18 (actual)
Steering angle: 3.1047572561040298 (pred)	10.18 (actual)
Steering angle: 3.573469809829458 (pred)	10.18 (actual)
Steering angle: 4.259698702297228 (pred)	10.389999999999999 (actual)
Steering angle: 5.999825997141376 (pred)	11.089999999999998 (actual)
Steering angle: 6.657653468936352 (pred)	11.5 (actual)
Steering angle: 7.790628172985142 (pred)	11.8 (actual)
Steering angle: 8.003050471267123 (pred)	12.0 (actual)
Steering angle: 7.4594177859792365 (pred)	12.300000000000002 (actual)
Steering angle: 6.424315850755321 (pred)	12.61 (actual)
Steering angle: 5.2113673154884985 (pred)	0.0 (actual)
Steering angle: 4.934285323881299 (pred)	12.910000000000002 (actual)
Steering angle: 4.526882896023432 (pred)	12.910000000000002 (actual)
Steering angle: 4.437038160794262 (pred)	13.01 (actual)
Steering angle: 4.639356474859679 (pred)	13.11 (actual)
Steering angle: 4.679118421112908 (pred)	13.11 (actual)
Steering angle: 4.748295430800443 (pred)	13.11 (actual)
Steering angle: 4.976177862268749 (pred)	13.41 (actual)
Steering angle: 4.729949542689789 (pred)	13.71 (actual)
Steering angle: 4.912737357710378 (pred)	14.420000000000002 (actual)
Steering angle: 4.49652185138908 (pred)	14.52 (actual)
Steering angle: 4.023595711275989 (pred)	14.52 (actual)

Steering angle: 4.007546047386928 (pred)	14.72 (actual)
Steering angle: 3.938924844343102 (pred)	14.920000000000002 (actual)
Steering angle: 3.9532669609396596 (pred)	15.030000000000001 (actual)
Steering angle: 3.764198786977244 (pred)	15.030000000000001 (actual)
Steering angle: 3.513834360969019 (pred)	15.030000000000001 (actual)
Steering angle: 3.4900213333145924 (pred)	15.030000000000001 (actual)
Steering angle: 3.3238108142964475 (pred)	15.030000000000001 (actual)
Steering angle: 3.216608860838982 (pred)	15.030000000000001 (actual)
Steering angle: 3.149350707421397 (pred)	14.72 (actual)
Steering angle: 3.0418512138482123 (pred)	14.22 (actual)
Steering angle: 3.142692553641104 (pred)	14.02 (actual)
Steering angle: 3.136626491884486 (pred)	13.92 (actual)
Steering angle: 3.237961953175146 (pred)	13.610000000000001 (actual)
Steering angle: 3.506173876928026 (pred)	13.610000000000001 (actual)
Steering angle: 3.602771107925401 (pred)	13.610000000000001 (actual)
Steering angle: 3.6044735325760264 (pred)	13.71 (actual)
Steering angle: 3.6499570429196107 (pred)	13.71 (actual)
Steering angle: 3.7978195393929854 (pred)	13.71 (actual)
Steering angle: 4.001117131830653 (pred)	13.41 (actual)
Steering angle: 3.864771188071566 (pred)	13.01 (actual)
Steering angle: 3.8794501183715697 (pred)	12.4 (actual)
Steering angle: 3.705756700230853 (pred)	11.699999999999998 (actual)
Steering angle: 3.768701162300752 (pred)	11.19 (actual)
Steering angle: 3.5596632227525116 (pred)	11.19 (actual)
Steering angle: 3.663423614641937 (pred)	11.19 (actual)
Steering angle: 3.9322308320696666 (pred)	11.19 (actual)
Steering angle: 4.352955543903643 (pred)	11.089999999999998 (actual)
Steering angle: 4.338372663138842 (pred)	11.089999999999998 (actual)
Steering angle: 4.471507137327554 (pred)	11.089999999999998 (actual)
Steering angle: 4.324924874436733 (pred)	10.89 (actual)
Steering angle: 4.185854538972458 (pred)	10.08 (actual)
Steering angle: 4.00702054970766 (pred)	9.68 (actual)
Steering angle: 3.866810426425638 (pred)	0.0 (actual)
Steering angle: 4.044178913226645 (pred)	9.48 (actual)
Steering angle: 4.153479015419774 (pred)	0.0 (actual)
Steering angle: 4.217365189821488 (pred)	9.48 (actual)
Steering angle: 4.543458057591761 (pred)	9.48 (actual)
Steering angle: 4.552147765763309 (pred)	9.48 (actual)
Steering angle: 4.569918637323213 (pred)	9.48 (actual)
Steering angle: 4.8503632164361745 (pred)	9.48 (actual)
Steering angle: 4.776299206397495 (pred)	9.380000000000003 (actual)
Steering angle: 4.946861409690585 (pred)	9.08 (actual)
Steering angle: 4.742893604940609 (pred)	9.08 (actual)
Steering angle: 4.707638729765942 (pred)	8.97 (actual)
Steering angle: 5.308137008762416 (pred)	8.97 (actual)
Steering angle: 5.561231802891354 (pred)	9.08 (actual)
Steering angle: 6.1836584042181535 (pred)	8.97 (actual)
Steering angle: 7.0466382916972785 (pred)	8.97 (actual)

Steering angle: 7.144377444946515 (pred)	8.97 (actual)
Steering angle: 7.368107548286275 (pred)	8.97 (actual)
Steering angle: 6.636160571165614 (pred)	0.0 (actual)
Steering angle: 6.134675702585407 (pred)	8.97 (actual)
Steering angle: 6.355251112302268 (pred)	9.08 (actual)
Steering angle: 6.598037016539541 (pred)	9.08 (actual)
Steering angle: 7.026265118063599 (pred)	8.570000000000002 (actual)
Steering angle: 7.1834636293587355 (pred)	8.17 (actual)
Steering angle: 6.606950413406408 (pred)	7.969999999999999 (actual)
Steering angle: 7.496344349953264 (pred)	7.559999999999999 (actual)
Steering angle: 8.131186527643855 (pred)	7.460000000000001 (actual)
Steering angle: 8.066591721115751 (pred)	7.16 (actual)
Steering angle: 7.862630319668123 (pred)	6.860000000000001 (actual)
Steering angle: 7.155181096666182 (pred)	6.35 (actual)
Steering angle: 6.462107287433002 (pred)	5.849999999999999 (actual)
Steering angle: 6.604845434481574 (pred)	5.04 (actual)
Steering angle: 7.313657280222934 (pred)	4.34 (actual)
Steering angle: 7.316129808702478 (pred)	4.03 (actual)
Steering angle: 7.4390279637594565 (pred)	4.03 (actual)
Steering angle: 6.649096095679972 (pred)	0.0 (actual)
Steering angle: 6.875979611982163 (pred)	4.03 (actual)
Steering angle: 6.660634846509062 (pred)	3.9300000000000006 (actual)
Steering angle: 6.473884667996219 (pred)	3.9300000000000006 (actual)
Steering angle: 6.361418346235967 (pred)	3.9300000000000006 (actual)
Steering angle: 5.619749448605438 (pred)	3.9300000000000006 (actual)
Steering angle: 5.661916902106981 (pred)	3.9300000000000006 (actual)
Steering angle: 5.558143276726039 (pred)	4.03 (actual)
Steering angle: 5.2048658291722925 (pred)	4.03 (actual)
Steering angle: 5.096775524235902 (pred)	4.03 (actual)
Steering angle: 4.954024570582635 (pred)	3.9300000000000006 (actual)
Steering angle: 4.771761399467668 (pred)	3.829999999999999 (actual)
Steering angle: 4.88463326370989 (pred)	3.63 (actual)
Steering angle: 4.489278862661104 (pred)	3.63 (actual)
Steering angle: 4.275054675098708 (pred)	3.63 (actual)
Steering angle: 4.541686477275789 (pred)	3.53 (actual)
Steering angle: 4.297092280455755 (pred)	3.23 (actual)
Steering angle: 4.073846693660242 (pred)	3.03 (actual)
Steering angle: 4.049226849910108 (pred)	2.92 (actual)
Steering angle: 4.073027497846663 (pred)	2.92 (actual)
Steering angle: 4.441001804946985 (pred)	2.7200000000000006 (actual)
Steering angle: 5.210834987620061 (pred)	2.7200000000000006 (actual)
Steering angle: 5.61279290093578 (pred)	2.62 (actual)
Steering angle: 5.1903854012450426 (pred)	2.42 (actual)
Steering angle: 4.434229245498094 (pred)	2.22 (actual)
Steering angle: 4.295066275593199 (pred)	2.12 (actual)
Steering angle: 4.381458777083752 (pred)	1.82 (actual)
Steering angle: 4.7836531856994835 (pred)	1.6100000000000003 (actual)
Steering angle: 5.464089010534025 (pred)	1.6100000000000003 (actual)

Steering angle: 5.72116580494908 (pred)	1.41 (actual)
Steering angle: 5.150673400750119 (pred)	0.91 (actual)
Steering angle: 5.173167348121086 (pred)	-0.5 (actual)
Steering angle: 5.150579485649031 (pred)	-1.6100000000000003 (actual)
Steering angle: 5.101254847670961 (pred)	-2.52 (actual)
Steering angle: 4.728642415237378 (pred)	-2.62 (actual)
Steering angle: 4.6635293681059995 (pred)	-2.62 (actual)
Steering angle: 4.436140417805228 (pred)	-2.62 (actual)
Steering angle: 4.339321205659828 (pred)	-2.62 (actual)
Steering angle: 4.244699179993056 (pred)	-2.62 (actual)
Steering angle: 4.2473689301848845 (pred)	-2.62 (actual)
Steering angle: 4.366543351483736 (pred)	-3.03 (actual)
Steering angle: 4.351864848070556 (pred)	-1.82 (actual)
Steering angle: 4.563162299573602 (pred)	-1.21 (actual)
Steering angle: 4.3971519904755025 (pred)	-1.21 (actual)
Steering angle: 4.345619066961403 (pred)	-1.21 (actual)
Steering angle: 4.390392237631306 (pred)	-1.71 (actual)
Steering angle: 4.529948797187122 (pred)	-1.71 (actual)
Steering angle: 4.647474154688239 (pred)	-1.51 (actual)
Steering angle: 5.007147647512879 (pred)	-1.51 (actual)
Steering angle: 5.127681703343386 (pred)	-1.41 (actual)
Steering angle: 4.966788059707273 (pred)	-1.01 (actual)
Steering angle: 4.743810557836683 (pred)	-0.5 (actual)
Steering angle: 4.545081935066931 (pred)	-0.5 (actual)
Steering angle: 4.642549588296659 (pred)	-0.61 (actual)
Steering angle: 4.573092540853153 (pred)	-1.11 (actual)
Steering angle: 4.766835552415619 (pred)	-1.11 (actual)
Steering angle: 4.630856304437597 (pred)	-1.11 (actual)
Steering angle: 4.664833507350649 (pred)	-1.11 (actual)
Steering angle: 4.656615936005478 (pred)	-1.21 (actual)
Steering angle: 4.479448939784986 (pred)	-1.21 (actual)
Steering angle: 4.638600885182746 (pred)	0.0 (actual)
Steering angle: 4.576938791129517 (pred)	-2.32 (actual)
Steering angle: 4.511772810032071 (pred)	-2.32 (actual)
Steering angle: 4.722817971422649 (pred)	-1.92 (actual)
Steering angle: 4.769771253098256 (pred)	-0.61 (actual)
Steering angle: 4.946548928536056 (pred)	0.5 (actual)
Steering angle: 4.900121571426541 (pred)	1.92 (actual)
Steering angle: 5.010908093537794 (pred)	2.22 (actual)
Steering angle: 4.875291699359429 (pred)	2.22 (actual)
Steering angle: 5.069290843015771 (pred)	2.22 (actual)
Steering angle: 4.905842708630073 (pred)	2.22 (actual)
Steering angle: 4.856899280585054 (pred)	2.22 (actual)
Steering angle: 4.770786389963649 (pred)	2.22 (actual)
Steering angle: 4.704675708326626 (pred)	2.52 (actual)
Steering angle: 4.766371953325705 (pred)	3.23 (actual)
Steering angle: 4.632413587568361 (pred)	3.8299999999999999 (actual)
Steering angle: 4.636278620864942 (pred)	4.24 (actual)

Steering angle: 4.691231761605925 (pred)	4.54 (actual)
Steering angle: 4.644034300667491 (pred)	5.04 (actual)
Steering angle: 4.911681666596787 (pred)	6.150000000000001 (actual)
Steering angle: 4.738648642371446 (pred)	0.0 (actual)
Steering angle: 4.967443757867595 (pred)	7.26 (actual)
Steering angle: 4.705296401767451 (pred)	7.26 (actual)
Steering angle: 4.798503724502384 (pred)	7.26 (actual)
Steering angle: 4.627997016496301 (pred)	7.36 (actual)
Steering angle: 4.697011382304225 (pred)	7.460000000000001 (actual)
Steering angle: 4.582726522677457 (pred)	7.87 (actual)
Steering angle: 4.9121794166325525 (pred)	8.27 (actual)
Steering angle: 4.463670349028611 (pred)	9.18 (actual)
Steering angle: 4.123433867034534 (pred)	10.08 (actual)
Steering angle: 4.376400595116534 (pred)	11.8 (actual)
Steering angle: 4.751550442826777 (pred)	12.709999999999999 (actual)
Steering angle: 5.024714040284506 (pred)	13.01 (actual)
Steering angle: 4.864525613680196 (pred)	13.01 (actual)
Steering angle: 5.142044737394277 (pred)	13.01 (actual)
Steering angle: 4.977712093511062 (pred)	13.01 (actual)
Steering angle: 4.899072710502121 (pred)	12.709999999999999 (actual)
Steering angle: 4.88139233894872 (pred)	12.61 (actual)
Steering angle: 4.845881758567001 (pred)	12.4 (actual)
Steering angle: 4.738144915920158 (pred)	11.8 (actual)
Steering angle: 4.588426742426655 (pred)	11.290000000000001 (actual)
Steering angle: 4.630654813857082 (pred)	10.89 (actual)
Steering angle: 4.687608773138057 (pred)	10.79 (actual)
Steering angle: 4.691616813520385 (pred)	10.79 (actual)
Steering angle: 4.591765851157145 (pred)	10.79 (actual)
Steering angle: 4.693453280633472 (pred)	10.79 (actual)
Steering angle: 4.510469097674245 (pred)	10.79 (actual)
Steering angle: 4.593828568286489 (pred)	10.79 (actual)
Steering angle: 4.550751845851688 (pred)	10.79 (actual)
Steering angle: 4.5613168678372285 (pred)	10.79 (actual)
Steering angle: 4.61421839050627 (pred)	10.79 (actual)
Steering angle: 4.707614824103847 (pred)	10.79 (actual)
Steering angle: 4.5032875806488 (pred)	0.0 (actual)
Steering angle: 4.451681232601122 (pred)	11.6 (actual)
Steering angle: 4.619085327176727 (pred)	12.100000000000001 (actual)
Steering angle: 4.754186468959579 (pred)	12.300000000000002 (actual)
Steering angle: 4.648759937799493 (pred)	12.4 (actual)
Steering angle: 4.359975697709946 (pred)	12.4 (actual)
Steering angle: 4.371123847095877 (pred)	0.0 (actual)
Steering angle: 4.3472826449111235 (pred)	12.4 (actual)
Steering angle: 4.2920537352824 (pred)	12.4 (actual)
Steering angle: 4.28446582200134 (pred)	12.4 (actual)
Steering angle: 4.196866084574988 (pred)	12.4 (actual)
Steering angle: 4.144625809594968 (pred)	12.4 (actual)
Steering angle: 4.152442961100047 (pred)	12.4 (actual)

Steering angle: 4.062992242408622 (pred)	12.300000000000002 (actual)
Steering angle: 4.184289998765702 (pred)	12.300000000000002 (actual)
Steering angle: 4.16927681608319 (pred)	12.300000000000002 (actual)
Steering angle: 4.234138853762571 (pred)	12.300000000000002 (actual)
Steering angle: 4.329619775717471 (pred)	12.300000000000002 (actual)
Steering angle: 4.331346532917014 (pred)	12.300000000000002 (actual)
Steering angle: 4.204840330430978 (pred)	12.300000000000002 (actual)
Steering angle: 4.22126864293215 (pred)	12.0 (actual)
Steering angle: 4.116591725033474 (pred)	11.899999999999999 (actual)
Steering angle: 4.190721902529738 (pred)	12.100000000000001 (actual)
Steering angle: 4.163056648183424 (pred)	12.5 (actual)
Steering angle: 3.998462749564457 (pred)	12.61 (actual)
Steering angle: 4.0179014679423135 (pred)	12.61 (actual)
Steering angle: 3.9322961457536048 (pred)	12.61 (actual)
Steering angle: 3.877207255002867 (pred)	12.61 (actual)
Steering angle: 3.8319482871282466 (pred)	12.61 (actual)
Steering angle: 3.616871606580069 (pred)	12.61 (actual)
Steering angle: 3.7313477115035982 (pred)	12.61 (actual)
Steering angle: 3.7733350187657826 (pred)	12.61 (actual)
Steering angle: 3.712445589862411 (pred)	12.61 (actual)
Steering angle: 3.5864909251518524 (pred)	12.61 (actual)
Steering angle: 3.6371666599251156 (pred)	12.61 (actual)
Steering angle: 3.504754905127956 (pred)	12.61 (actual)
Steering angle: 3.1749190936925165 (pred)	12.4 (actual)
Steering angle: 3.1089520594714757 (pred)	12.4 (actual)
Steering angle: 3.012462830840352 (pred)	12.4 (actual)
Steering angle: 3.00663112994963 (pred)	12.61 (actual)
Steering angle: 2.9973465549900555 (pred)	13.01 (actual)
Steering angle: 2.9820281482290096 (pred)	13.31 (actual)
Steering angle: 2.918480495078034 (pred)	13.610000000000001 (actual)
Steering angle: 2.9286982446329617 (pred)	13.92 (actual)
Steering angle: 2.9637202530456133 (pred)	13.92 (actual)
Steering angle: 3.104503685331093 (pred)	13.92 (actual)
Steering angle: 2.916036141128816 (pred)	14.02 (actual)
Steering angle: 3.368312271503431 (pred)	14.02 (actual)
Steering angle: 3.2258340985301417 (pred)	14.02 (actual)
Steering angle: 2.986364678021733 (pred)	14.02 (actual)
Steering angle: 2.8315010242056835 (pred)	14.12 (actual)
Steering angle: 2.7000181751356456 (pred)	14.12 (actual)
Steering angle: 2.7665755938330694 (pred)	14.12 (actual)
Steering angle: 2.902502975062082 (pred)	14.12 (actual)
Steering angle: 2.7306981042268736 (pred)	14.12 (actual)
Steering angle: 2.7169813768261952 (pred)	14.12 (actual)
Steering angle: 2.727442665313716 (pred)	14.12 (actual)
Steering angle: 2.782386841431414 (pred)	14.12 (actual)
Steering angle: 2.9462149050896937 (pred)	14.12 (actual)
Steering angle: 2.918195334680186 (pred)	14.12 (actual)
Steering angle: 2.8421857879451107 (pred)	14.12 (actual)

Steering angle: 2.7440959471706767 (pred)	14.12 (actual)
Steering angle: 2.7814376585801943 (pred)	14.12 (actual)
Steering angle: 2.775407668760131 (pred)	14.12 (actual)
Steering angle: 2.7792005581836032 (pred)	14.12 (actual)
Steering angle: 2.668470812019826 (pred)	14.12 (actual)
Steering angle: 2.5610899929834705 (pred)	14.32 (actual)
Steering angle: 2.6285957407584686 (pred)	14.72 (actual)
Steering angle: 2.664206852987034 (pred)	15.83 (actual)
Steering angle: 2.659569367984007 (pred)	16.24 (actual)
Steering angle: 2.575391982218654 (pred)	16.64 (actual)
Steering angle: 2.653605118734705 (pred)	16.64 (actual)
Steering angle: 2.656565792296494 (pred)	16.64 (actual)
Steering angle: 3.0070232254966713 (pred)	16.64 (actual)
Steering angle: 3.1108920466391705 (pred)	16.64 (actual)
Steering angle: 3.520105114957325 (pred)	16.64 (actual)
Steering angle: 3.6201757105910626 (pred)	16.64 (actual)
Steering angle: 3.6196211846078223 (pred)	16.64 (actual)
Steering angle: 3.711753179435301 (pred)	16.64 (actual)
Steering angle: 3.802175065649338 (pred)	16.64 (actual)
Steering angle: 4.258193926245709 (pred)	16.64 (actual)
Steering angle: 4.569030712731111 (pred)	16.74 (actual)
Steering angle: 5.10949120203635 (pred)	16.84 (actual)
Steering angle: 5.929152322251961 (pred)	16.939999999999998 (actual)
Steering angle: 6.9353958544589265 (pred)	17.239999999999995 (actual)
Steering angle: 7.081456461651888 (pred)	17.45 (actual)
Steering angle: 7.293388693860921 (pred)	17.75 (actual)
Steering angle: 7.868950805971324 (pred)	17.95 (actual)
Steering angle: 8.386888319601622 (pred)	18.149999999999995 (actual)
Steering angle: 8.485574307824551 (pred)	18.45 (actual)
Steering angle: 8.878567170967806 (pred)	18.760000000000005 (actual)
Steering angle: 9.21072268540011 (pred)	19.26 (actual)
Steering angle: 9.209811708919561 (pred)	19.66 (actual)
Steering angle: 9.740599369699591 (pred)	19.87 (actual)
Steering angle: 10.06340435515815 (pred)	20.17 (actual)
Steering angle: 10.30210922136634 (pred)	20.57 (actual)
Steering angle: 10.008086653070217 (pred)	20.869999999999997 (actual)
Steering angle: 9.900430918919767 (pred)	21.079999999999995 (actual)
Steering angle: 9.086902454805182 (pred)	21.38 (actual)
Steering angle: 8.781372725304879 (pred)	21.78 (actual)
Steering angle: 8.367130289880068 (pred)	22.08 (actual)
Steering angle: 8.410247566563065 (pred)	22.69 (actual)
Steering angle: 8.209610759693941 (pred)	23.09 (actual)
Steering angle: 8.140700981157682 (pred)	23.39 (actual)
Steering angle: 8.40034549981384 (pred)	23.5 (actual)
Steering angle: 8.765682927007713 (pred)	23.5 (actual)
Steering angle: 8.90567106914171 (pred)	23.5 (actual)
Steering angle: 9.019169176353458 (pred)	23.5 (actual)
Steering angle: 9.09204131838197 (pred)	23.5 (actual)

Steering angle: 9.091187544735718 (pred)	23.5 (actual)
Steering angle: 9.45232099049545 (pred)	23.5 (actual)
Steering angle: 9.794564694331862 (pred)	23.5 (actual)
Steering angle: 9.937842426324867 (pred)	23.5 (actual)
Steering angle: 8.911878857323604 (pred)	23.5 (actual)
Steering angle: 7.9924261120131685 (pred)	23.39 (actual)
Steering angle: 6.51822326788018 (pred)	23.39 (actual)
Steering angle: 6.66397224769226 (pred)	23.39 (actual)
Steering angle: 6.6631978749951095 (pred)	23.39 (actual)
Steering angle: 7.348887395961859 (pred)	23.6 (actual)
Steering angle: 7.708980091646809 (pred)	23.799999999999997 (actual)
Steering angle: 8.125426116852596 (pred)	23.799999999999997 (actual)
Steering angle: 7.9205784983601575 (pred)	23.6 (actual)
Steering angle: 7.396738847513323 (pred)	23.09 (actual)
Steering angle: 7.526272531348968 (pred)	21.88 (actual)
Steering angle: 7.781725875175676 (pred)	21.28 (actual)
Steering angle: 8.424059916612125 (pred)	21.18 (actual)
Steering angle: 8.59585624971087 (pred)	21.079999999999995 (actual)
Steering angle: 8.578492201293404 (pred)	21.079999999999995 (actual)
Steering angle: 8.907884050432793 (pred)	20.869999999999997 (actual)
Steering angle: 8.785698796370436 (pred)	20.469999999999995 (actual)
Steering angle: 9.114836220963241 (pred)	19.87 (actual)
Steering angle: 9.338036557755503 (pred)	19.36 (actual)
Steering angle: 10.14277286086099 (pred)	18.66 (actual)
Steering angle: 11.574437713729962 (pred)	17.850000000000005 (actual)
Steering angle: 11.319935473745177 (pred)	17.55 (actual)
Steering angle: 10.267239398106133 (pred)	17.65 (actual)
Steering angle: 8.948304256167283 (pred)	17.55 (actual)
Steering angle: 8.483827486944321 (pred)	17.75 (actual)
Steering angle: 7.727384036365408 (pred)	17.75 (actual)
Steering angle: 7.329973748376448 (pred)	17.75 (actual)
Steering angle: 6.918004912171605 (pred)	17.75 (actual)
Steering angle: 6.871800389983761 (pred)	17.75 (actual)
Steering angle: 6.389301739748897 (pred)	17.75 (actual)
Steering angle: 5.859623557822171 (pred)	17.75 (actual)
Steering angle: 5.545706356021092 (pred)	17.75 (actual)
Steering angle: 5.132642128228108 (pred)	17.75 (actual)
Steering angle: 5.118923693280138 (pred)	17.75 (actual)
Steering angle: 5.486925748023962 (pred)	17.75 (actual)
Steering angle: 4.8517544405927415 (pred)	17.850000000000005 (actual)
Steering angle: 4.557095384043337 (pred)	17.850000000000005 (actual)
Steering angle: 4.179657849847963 (pred)	17.850000000000005 (actual)
Steering angle: 3.7370227449302327 (pred)	17.850000000000005 (actual)
Steering angle: 3.6000403129178653 (pred)	18.25 (actual)
Steering angle: 3.2255105183182127 (pred)	18.35 (actual)
Steering angle: 3.403962230432901 (pred)	18.05 (actual)
Steering angle: 3.2647375753820653 (pred)	17.95 (actual)
Steering angle: 2.8112892137911465 (pred)	17.95 (actual)



Steering angle: 2.2040802739351353 (pred)	17.850000000000005 (actual)
Steering angle: 2.152434438856319 (pred)	17.95 (actual)
Steering angle: 1.9553128315322235 (pred)	17.95 (actual)
Steering angle: 1.6539243311030638 (pred)	17.95 (actual)
Steering angle: 0.5546508476361746 (pred)	17.95 (actual)
Steering angle: 0.45491279683765173 (pred)	17.850000000000005 (actual)
Steering angle: 0.6924038103642842 (pred)	17.65 (actual)
Steering angle: 1.3325214554150628 (pred)	17.239999999999995 (actual)
Steering angle: 1.768233096391928 (pred)	16.64 (actual)
Steering angle: 2.001498784143261 (pred)	15.83 (actual)
Steering angle: 2.0487690292850385 (pred)	14.72 (actual)
Steering angle: 2.067437643833976 (pred)	14.02 (actual)
Steering angle: 1.9883972006547073 (pred)	13.21 (actual)
Steering angle: 1.8322968557120625 (pred)	11.899999999999999 (actual)
Steering angle: 1.931253276737442 (pred)	11.089999999999998 (actual)
Steering angle: 2.0609570749721033 (pred)	10.49 (actual)
Steering angle: 2.3229383720980508 (pred)	9.88 (actual)
Steering angle: 2.609271854936033 (pred)	9.18 (actual)
Steering angle: 2.6557640988426634 (pred)	8.27 (actual)
Steering angle: 2.6598255000778823 (pred)	7.659999999999998 (actual)
Steering angle: 2.215511235841386 (pred)	7.26 (actual)
Steering angle: 1.7947664603267235 (pred)	6.659999999999999 (actual)
Steering angle: 1.724242195825403 (pred)	6.150000000000001 (actual)
Steering angle: 1.9094579296525196 (pred)	5.949999999999999 (actual)
Steering angle: 1.763460715152793 (pred)	5.75 (actual)
Steering angle: 2.2806881025528214 (pred)	5.340000000000001 (actual)
Steering angle: 2.4115775789387146 (pred)	5.139999999999999 (actual)
Steering angle: 2.1806527250819916 (pred)	4.94 (actual)
Steering angle: 1.8795895124120539 (pred)	4.64 (actual)
Steering angle: 2.1346119139908164 (pred)	4.24 (actual)
Steering angle: 2.060732959389962 (pred)	4.24 (actual)
Steering angle: 2.0253826750103263 (pred)	3.829999999999999 (actual)
Steering angle: 2.0928327140549063 (pred)	3.63 (actual)
Steering angle: 2.102772987174802 (pred)	3.13 (actual)
Steering angle: 2.047653574016211 (pred)	2.62 (actual)
Steering angle: 2.0232198529209597 (pred)	2.22 (actual)
Steering angle: 2.160840053847077 (pred)	1.6100000000000003 (actual)
Steering angle: 2.218271272596306 (pred)	1.6100000000000003 (actual)
Steering angle: 2.031835496228696 (pred)	1.6100000000000003 (actual)
Steering angle: 2.0514801874987105 (pred)	1.6100000000000003 (actual)
Steering angle: 1.9258089756387071 (pred)	1.6100000000000003 (actual)
Steering angle: 1.9528872606032226 (pred)	1.6100000000000003 (actual)
Steering angle: 2.1703801205702926 (pred)	1.6100000000000003 (actual)
Steering angle: 1.9129195549012468 (pred)	1.51 (actual)
Steering angle: 1.877585919107713 (pred)	1.51 (actual)
Steering angle: 1.9443298873468429 (pred)	1.51 (actual)
Steering angle: 1.9816218664414662 (pred)	1.51 (actual)
Steering angle: 2.143224995977614 (pred)	1.51 (actual)

Steering angle: 2.420488627928054 (pred)	1.51 (actual)
Steering angle: 2.3463810754334156 (pred)	1.6100000000000003 (actual)
Steering angle: 2.6060110799375864 (pred)	1.6100000000000003 (actual)
Steering angle: 2.406577667022854 (pred)	1.6100000000000003 (actual)
Steering angle: 2.2723885689376098 (pred)	1.51 (actual)
Steering angle: 2.2195446759896904 (pred)	1.51 (actual)
Steering angle: 2.200406699378726 (pred)	1.31 (actual)
Steering angle: 2.2063414934372325 (pred)	1.21 (actual)
Steering angle: 2.537962332123573 (pred)	1.21 (actual)
Steering angle: 2.501019119563443 (pred)	1.21 (actual)
Steering angle: 2.590598544632041 (pred)	1.21 (actual)
Steering angle: 2.4522959651191574 (pred)	1.21 (actual)
Steering angle: 2.582219610067728 (pred)	1.21 (actual)
Steering angle: 2.464765329222662 (pred)	1.21 (actual)
Steering angle: 2.2766318239594803 (pred)	1.21 (actual)
Steering angle: 2.205811513446322 (pred)	1.21 (actual)
Steering angle: 2.31404482546846 (pred)	1.21 (actual)
Steering angle: 2.334757587569935 (pred)	1.82 (actual)
Steering angle: 2.382873282064913 (pred)	2.22 (actual)
Steering angle: 2.570688543201454 (pred)	2.22 (actual)
Steering angle: 2.5120334399303235 (pred)	2.22 (actual)
Steering angle: 2.4744951471387564 (pred)	2.22 (actual)
Steering angle: 2.393325605929148 (pred)	2.22 (actual)
Steering angle: 2.564570401252415 (pred)	2.22 (actual)
Steering angle: 2.5983693789168116 (pred)	2.22 (actual)
Steering angle: 2.7076818608278113 (pred)	0.0 (actual)

-----

IndexError

Traceback (most recent call last)

```

<ipython-input-11-7a9c474cb101> in <module>
    42     #call("clear")
    43     #print("Predicted Steering angle: " + str(degrees))
--> 44     print("Steering angle: " + str(degrees) + " (pred)\t" + str(ys[i]*180/scipy.pi)
    45     cv2.imshow("frame", cv2.cvtColor(full_image, cv2.COLOR_RGB2BGR))
    46     #make smooth angle transitions by turning the steering wheel based on the diff

```

IndexError: list index out of range

## 0.1 Conclusion:

Objective: To build a model that predicts the angle at which the steering wheel of the car is rotated.

1. Size: 25 minutes = 25#60#30 = 45,000 images ~ 2.3 GB

2. Firstly We check if the train and test distributions are same.
3. We split the data in 70(train) 30(test),convert the images into shape of [66,200,3] and load the data in the batches.
4. We build a CNN model and train the model in batches and evaluate the loss on test data.
5. We try to minimize the squares loss and save the model checkpoint.
6. We then perform hyperparameter tuning : we try different dropouts ,train/test split and learning rate of adam optimizer
7. We visualize the output using opencv

with learning rate = $1e-3$  the output was wrong ,hence used  $1e-4$  itself

In [ ]: