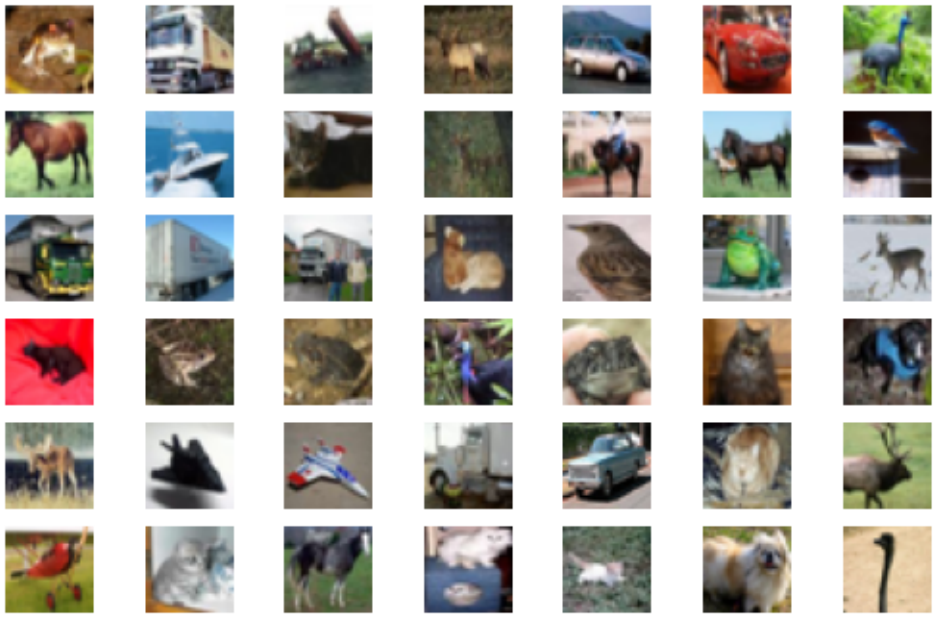
gans

May 22, 2023

[ ]:
```
#Example of loading and plotting the cifar10 dataset
from keras.datasets.cifar10 import load_data
from matplotlib import pyplot
#load the images into memory
(trainX, trainY), (testX, testY) = load_data()
#plot image from the training dataset
for i in range(42):
  #define subplots
  pyplot.subplot(7,7,1+i)
  #trun of axis
  pyplot.axis('off')
  #plot raw pixel data
  pyplot.imshow(trainX[i])
pyplot.show()
```

```
Downloading data from https://www.cs.toronto.edu/~kriz/cifar-10-python.tar.gz
170498071/170498071 [==============================] - 4s 0us/step
```



[ ]:
```
trainX.shape
```

[ ]:
```
(50000, 32, 32, 3)
```

[ ]:
```
#Example of defining the discriminator model
from tensorflow import keras
from keras.models import Sequential
from keras.layers import Dense
from keras.layers import Conv2D
from keras.layers import Flatten
from keras.layers import Dropout
from keras.layers import LeakyReLU
from keras.utils.vis_utils import plot_model
import numpy as np
```

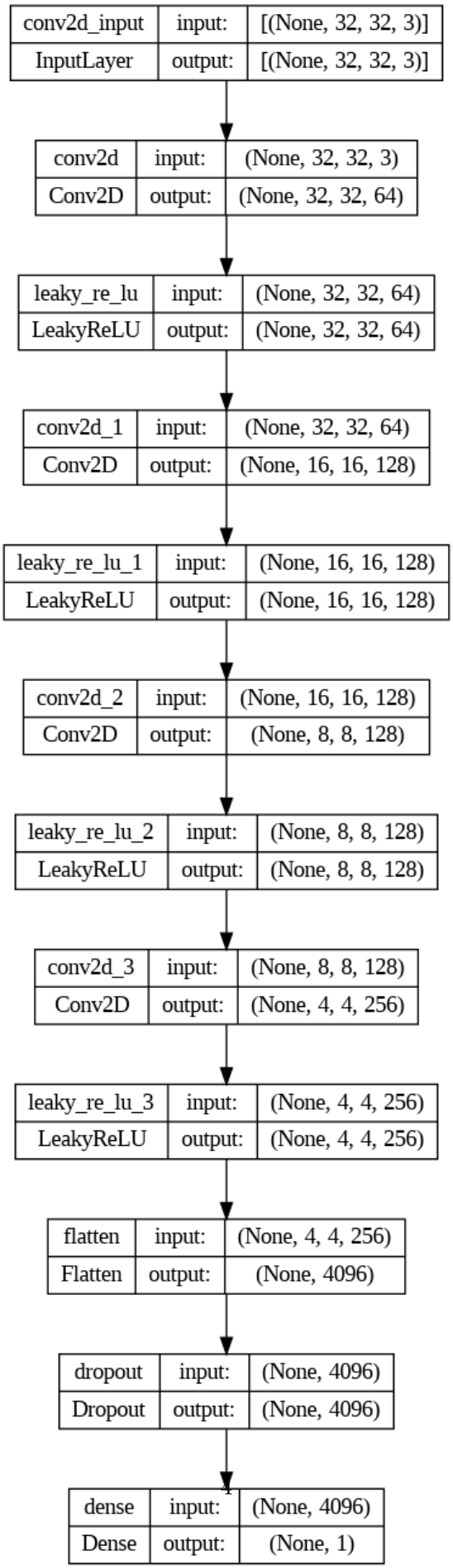
[ ]:
```
#define the standalone discriminator model
def define_discriminator(in_shape=(32,32,3)):
  model = Sequential()
  #normal
  model.add(Conv2D(64, kernel_size=(3,3), padding='same', input_shape=␣
 ↪in_shape))
  model.add(LeakyReLU(alpha= 0.2))
  #downsample
  model.add(Conv2D(128, kernel_size=(3,3), padding='same', strides=(2,2)))
  model.add(LeakyReLU(alpha= 0.2))
  #downsample
  model.add(Conv2D(128, kernel_size=(3,3), padding='same', strides=(2,2)))
  model.add(LeakyReLU(alpha= 0.2))
  #downsample
  model.add(Conv2D(256, kernel_size=(3,3), padding='same', strides=(2,2)))
  model.add(LeakyReLU(alpha= 0.2))
  #classifier
  model.add(Flatten())
  model.add(Dropout(0.4))
  model.add(Dense(1,activation='sigmoid'))

  #compile model
  adam = keras.optimizers.Adam(learning_rate=0.0002, beta_1=0.5)
  model.compile(loss='binary_crossentropy', optimizer = adam, metrics =␣
 ↪['accuracy'])

  return model
```

[ ]:
```
#define model
model = define_discriminator()
#summarize the model
model.summary()
```

```
#plot the model
plot_model(model, to_file='discriminator_plot.png', show_shapes=True,␣
 ↪show_layer_names=True)
```

```
Model: "sequential"
_________________________________________________________________
 Layer (type)                Output Shape              Param #
=================================================================
 conv2d (Conv2D)             (None, 32, 32, 64)        1792

 leaky_re_lu (LeakyReLU)     (None, 32, 32, 64)        0

 conv2d_1 (Conv2D)           (None, 16, 16, 128)       73856

 leaky_re_lu_1 (LeakyReLU)   (None, 16, 16, 128)       0

 conv2d_2 (Conv2D)           (None, 8, 8, 128)         147584

 leaky_re_lu_2 (LeakyReLU)   (None, 8, 8, 128)         0

 conv2d_3 (Conv2D)           (None, 4, 4, 256)         295168

 leaky_re_lu_3 (LeakyReLU)   (None, 4, 4, 256)         0

 flatten (Flatten)           (None, 4096)              0

 dropout (Dropout)           (None, 4096)              0

 dense (Dense)               (None, 1)                 4097

=================================================================
Total params: 522,497
Trainable params: 522,497
Non-trainable params: 0
_________________________________________________________________
```

[ ]:


conv2d_input | input: | [(None, 32, 32, 3)]
InputLayer | output: | [(None, 32, 32, 3)]
conv2d | input: | (None, 32, 32, 3)
Conv2D | output: | (None, 32, 32, 64)
leaky_re_lu | input: | (None, 32, 32, 64)
LeakyReLU | output: | (None, 32, 32, 64)
conv2d_1 | input: | (None, 32, 32, 64)
Conv2D | output: | (None, 16, 16, 128)
leaky_re_lu_1 | input: | (None, 16, 16, 128)
LeakyReLU | output: | (None, 16, 16, 128)
conv2d_2 | input: | (None, 16, 16, 128)
Conv2D | output: | (None, 8, 8, 128)
leaky_re_lu_2 | input: | (None, 8, 8, 128)
LeakyReLU | output: | (None, 8, 8, 128)
conv2d_3 | input: | (None, 8, 8, 128)
Conv2D | output: | (None, 4, 4, 256)
leaky_re_lu_3 | input: | (None, 4, 4, 256)
LeakyReLU | output: | (None, 4, 4, 256)
flatten | input: | (None, 4, 4, 256)
Flatten | output: | (None, 4096)
dropout | input: | (None, 4096)
Dropout | output: | (None, 4096)
dense | input: | (None, 4096)
Dense | output: | (None, 1)

[ ]:
```
'''
Function to load the dataset & scale it
Load and prepare cifar10 training images
'''
def load_real_samples():
  #load cifar10 dataset
  (trainX,_), (_,_) = load_data()
  #convert from unsigned int to float
  X = trainX.astype('float32')
  #scale from [0,255] to [-1,1]
  X = (X - 127.5) / 127.5

  return X
```

[ ]:
```
#test
x = load_real_samples()
x.shape
```

[ ]:
```
(50000, 32, 32, 3)
```

[ ]:
```
x[0]
```

[ ]:
```
array([[[-0.5372549 , -0.5137255 , -0.5058824 ],
        [-0.6627451 , -0.6392157 , -0.64705884],
        [-0.60784316, -0.62352943, -0.6627451 ],
        …,
        [ 0.23921569,  0.03529412, -0.15294118],
        [ 0.19215687, -0.01960784, -0.2       ],
        [ 0.16078432, -0.02745098, -0.19215687]],

       [[-0.8745098 , -0.84313726, -0.84313726],
        [-1.        , -1.        , -1.        ],
        [-0.85882354, -0.9372549 , -1.        ],
        …,
        [-0.03529412, -0.30980393, -0.5686275 ],
        [-0.06666667, -0.34901962, -0.60784316],
        [-0.04313726, -0.31764707, -0.5529412 ]],

       [[-0.8039216 , -0.8117647 , -0.8352941 ],
        [-0.8745098 , -0.94509804, -1.        ],
        [-0.6156863 , -0.7882353 , -0.9372549 ],
        …,
        [-0.07450981, -0.34117648, -0.60784316],
        [-0.05882353, -0.34117648, -0.60784316],
        [-0.14509805, -0.42745098, -0.67058825]],
```

```
       …,

       [[ 0.6313726 ,  0.33333334, -0.24705882],
        [ 0.5764706 ,  0.2       , -0.73333335],
        [ 0.5529412 ,  0.2627451 , -0.79607844],
        …,
        [ 0.25490198,  0.04313726, -0.4509804 ],
        [-0.56078434, -0.75686276, -0.94509804],
        [-0.58431375, -0.73333335, -0.84313726]],

       [[ 0.4117647 ,  0.09019608, -0.24705882],
        [ 0.35686275, -0.03529412, -0.67058825],
        [ 0.45882353,  0.12941177, -0.7647059 ],
        …,
        [ 0.44313726,  0.16078432, -0.2627451 ],
        [-0.23921569, -0.5137255 , -0.73333335],
        [-0.34901962, -0.58431375, -0.73333335]],

       [[ 0.3882353 ,  0.12941177, -0.09019608],
        [ 0.31764707,  0.01176471, -0.2627451 ],
        [ 0.40392157,  0.11372549, -0.31764707],
        …,
        [ 0.69411767,  0.44313726,  0.09803922],
        [ 0.18431373, -0.07450981, -0.34117648],
        [-0.03529412, -0.2784314 , -0.43529412]]], dtype=float32)
```

[ ]:
```
# Select real samples with batches
def generate_real_samples(dataset,n_samples):
  #choose random instances
  index = np.random.randint(0, dataset.shape[0], n_samples)
  #retrive selected images
  X = dataset[index]
  #generate real class labels: (1)
  y = np.ones((n_samples,1))

  return X,y
```

[ ]:
```
#test
x,y = generate_real_samples(x,64)
print(x.shape)
print(y.shape)
```

```
(64, 32, 32, 3)
(64, 1)
```

[ ]:
```
y
```

```
[ ]: array([[1.],
            [1.],
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```

```
       [1.],
       [1.],
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       [1.],
       [1.],
       [1.],
       [1.]])
```

[ ]:
```
#generate n fake samples with class labels
def generate_fake_samples(n_samples):
  #generate uniform random numbers in [0,1]
  X = np.random.rand(32 * 32 *3 * n_samples)
  #update to have the range [-1,1]
  X = -1 + X * 2
  # reshape into a batch of color images
  X = X.reshape((n_samples, 32,32,3))

  #generate fake class labels: (0)
  y = np.zeros((n_samples, 1))

  return X, y
```

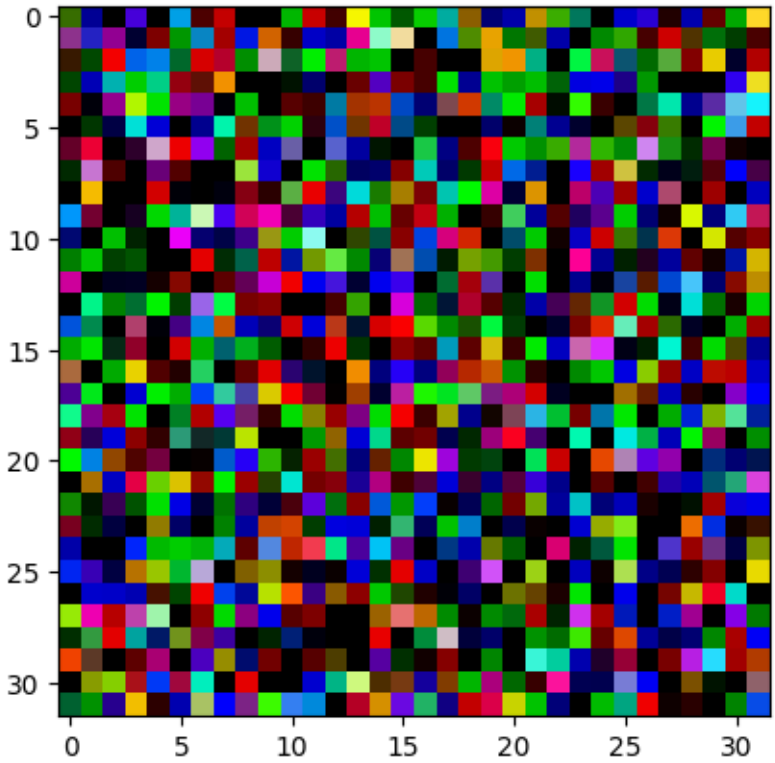
[ ]:
```
#test
x,y = generate_fake_samples(64)
print(x.shape)
print(y.shape)
```

```
(64, 32, 32, 3)
(64, 1)
```

[ ]:
```
# lets see our noise images how they look like
 pyplot.imshow(x[0])
```

```
WARNING:matplotlib.image:Clipping input data to the valid range for imshow with
RGB data ([0..1] for floats or [0..255] for integers).
```

[ ]:
```
<matplotlib.image.AxesImage at 0x7f5006745090>
```



[ ]:
```
#Train the discriminator model temporarily
def train_discriminator(model, dataset, n_iter=20, n_batch=128):
  half_batch = int(n_batch / 2)
  #manually enumerate epochs
  for i in range(n_iter):
    #get randomly selected real samples
    X_real, y_real = generate_real_samples(dataset, half_batch)
    #update discriminator on real samples
    _,real_acc = model.train_on_batch(X_real, y_real)
    #generates fake examples
    X_fake, y_fake = generate_fake_samples(half_batch)
    #update discriminator on fake samples
    _,fake_acc = model.train_on_batch(X_fake, y_fake)
    #summarize performance
    print('>%d real = %.0f%% fake= %.0f%%' % (i+1, real_acc*100, fake_acc*100))
```

[ ]:
```
# Example of training

#define the discriminator model
model = define_discriminator()
#load image data
dataset = load_real_samples()
```

```
#fit the model
train_discriminator(model, dataset)
```

```
>1 real = 53% fake= 0%
>2 real = 92% fake= 5%
>3 real = 95% fake= 23%
>4 real = 92% fake= 47%
>5 real = 86% fake= 94%
>6 real = 84% fake= 100%
>7 real = 88% fake= 100%
>8 real = 83% fake= 100%
>9 real = 86% fake= 100%
>10 real = 94% fake= 100%
>11 real = 92% fake= 100%
>12 real = 94% fake= 100%
>13 real = 97% fake= 100%
>14 real = 98% fake= 100%
>15 real = 100% fake= 100%
>16 real = 98% fake= 100%
>17 real = 97% fake= 100%
>18 real = 98% fake= 100%
>19 real = 100% fake= 100%
>20 real = 100% fake= 100%
```

[ ]:
```
# now work on Generator
from keras.layers import Reshape
#upsampling of data
from keras.layers import Conv2DTranspose
```

[ ]:
```
#define the standalone generator model
def define_generator(latent_dim):
  model = Sequential()
  #foundation for 4x4 image
  n_nodes = 256 * 4* 4
  model.add(Dense(n_nodes, input_dim = latent_dim))
  model.add(LeakyReLU(alpha=0.2))
  model.add(Reshape((4,4,256)))

  #upsample to 8x8
  model.add(Conv2DTranspose(128, kernel_size=(4,4), padding='same',␣
 ↪strides=(2,2)))
  model.add(LeakyReLU(alpha= 0.2))
  #upsample to 16x16
  model.add(Conv2DTranspose(128, kernel_size=(4,4), padding='same',␣
 ↪strides=(2,2)))
  model.add(LeakyReLU(alpha= 0.2))
  #upsample to 32x32
```

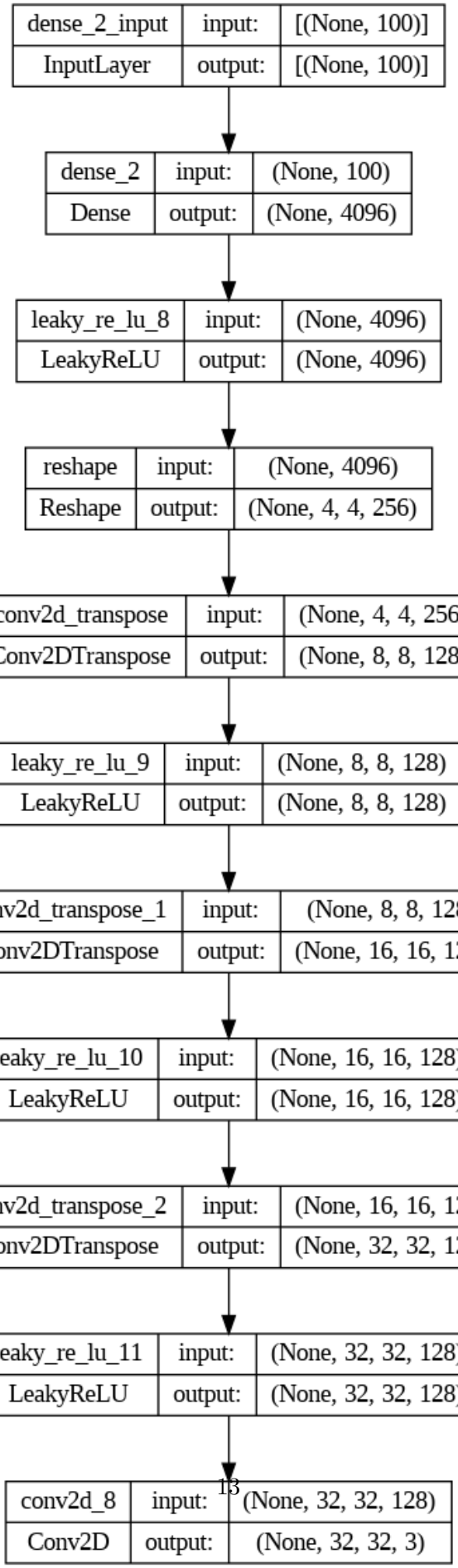
```
  model.add(Conv2DTranspose(128, kernel_size=(4,4), padding='same',␣
 ↪strides=(2,2)))
  model.add(LeakyReLU(alpha= 0.2))
  #output layer
  model.add(Conv2D(3, (3,3), activation='tanh', padding='same'))

  return model
```

[ ]:
```
#define the size of the latent space
latent_dim = 100
#define the generator model
model = define_generator(latent_dim)
#summarize the model
model.summary()
#plot the model
plot_model(model, to_file='generator_plot.png', show_shapes=True,␣
 ↪show_layer_names=True)
```

```
Model: "sequential_2"
_________________________________________________________________
 Layer (type)                Output Shape              Param #
=================================================================
 dense_2 (Dense)             (None, 4096)              413696

 leaky_re_lu_8 (LeakyReLU)   (None, 4096)              0

 reshape (Reshape)           (None, 4, 4, 256)         0

 conv2d_transpose (Conv2DTra  (None, 8, 8, 128)        524416
 nspose)

 leaky_re_lu_9 (LeakyReLU)   (None, 8, 8, 128)         0

 conv2d_transpose_1 (Conv2DT  (None, 16, 16, 128)      262272
 ranspose)

 leaky_re_lu_10 (LeakyReLU)  (None, 16, 16, 128)       0

 conv2d_transpose_2 (Conv2DT  (None, 32, 32, 128)      262272
 ranspose)

 leaky_re_lu_11 (LeakyReLU)  (None, 32, 32, 128)       0

 conv2d_8 (Conv2D)           (None, 32, 32, 3)         3459

=================================================================
Total params: 1,466,115
```

```
    Trainable params: 1,466,115
    Non-trainable params: 0
    ----------------------------------------------------------------
```

[ ]:


dense_2_input | input: | [(None, 100)]
InputLayer | output: | [(None, 100)]
dense_2 | input: | (None, 100)
Dense | output: | (None, 4096)
leaky_re_lu_8 | input: | (None, 4096)
LeakyReLU | output: | (None, 4096)
reshape | input: | (None, 4096)
Reshape | output: | (None, 4, 4, 256)
conv2d_transpose | input: | (None, 4, 4, 256)
Conv2DTranspose | output: | (None, 8, 8, 128)
leaky_re_lu_9 | input: | (None, 8, 8, 128)
LeakyReLU | output: | (None, 8, 8, 128)
conv2d_transpose_1 | input: | (None, 8, 8, 128)
Conv2DTranspose | output: | (None, 16, 16, 128)
leaky_re_lu_10 | input: | (None, 16, 16, 128)
LeakyReLU | output: | (None, 16, 16, 128)
conv2d_transpose_2 | input: | (None, 16, 16, 128)
Conv2DTranspose | output: | (None, 32, 32, 128)
leaky_re_lu_11 | input: | (None, 32, 32, 128)
LeakyReLU | output: | (None, 32, 32, 128)
conv2d_8 | input: | (None, 32, 32, 128)
Conv2D | output: | (None, 32, 32, 3)

[ ]:
```
#generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples):
  #generate point in the latent space
  x_input = np.random.randn(latent_dim * n_samples)
  #reshape into a batch of inputs for the network
  x_input = x_input.reshape(n_samples, latent_dim)

  return x_input
```

[ ]:
```
#test
data = generate_latent_points(100,64)
print(data.shape)
```

```
(64, 100)
```

[ ]:
```
data[0]
```

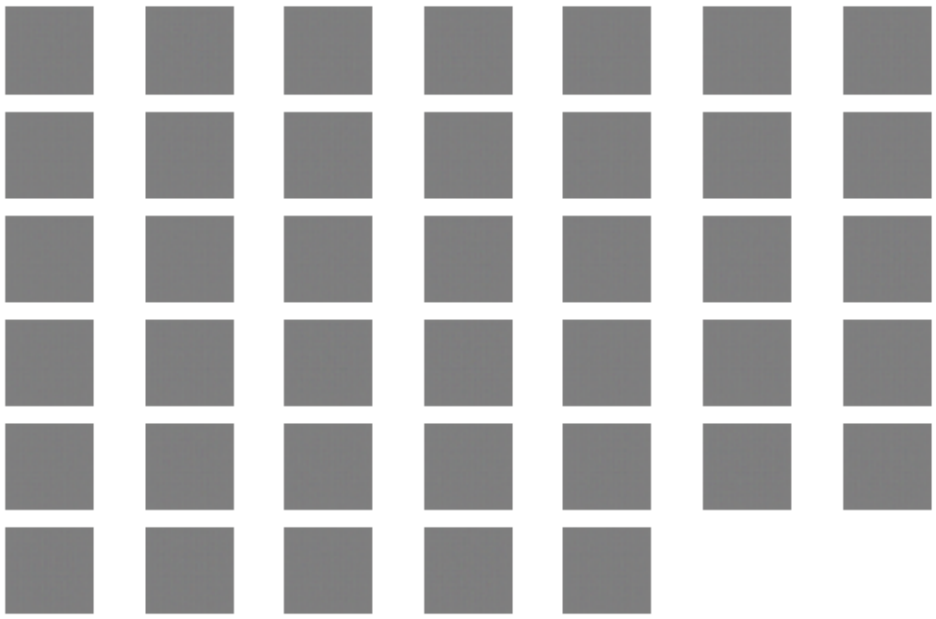
[ ]:
```
array([ 0.5331656 ,  0.73352188,  0.62880005,  1.29352909, -1.42538066,
       -1.39320139,  1.19451954, -0.99894397,  0.91593431, -1.79805334,
       -0.73528686, -0.36775005, -0.15718401,  1.48777683,  0.07034561,
        0.65858222, -0.2746818 ,  0.77633232, -0.77826074,  0.30927868,
       -0.82661532, -1.34102974, -1.83918283, -0.16032893,  1.04739346,
       -0.07212283, -0.22724542, -0.24208205,  0.40865061, -0.18622694,
       -0.52396852,  0.98381436,  1.30671169,  0.59390154,  1.7336529 ,
       -1.10255505,  1.29550915,  1.38365403,  0.4476711 , -2.16816142,
       -0.14579712,  0.47839753,  0.42081908,  0.02046216,  0.27769414,
        1.26339644,  0.97335692, -0.06081308, -0.89141276,  0.5680304 ,
       -0.89351285, -0.6600276 ,  1.71960814, -0.39031687, -0.42576043,
        0.13920138,  1.47167762, -1.1222449 , -0.19102312,  0.0782049 ,
       -0.72000809,  0.75516576, -1.66175528, -0.43815022, -0.19515016,
       -0.74317489,  0.71164474, -1.33626506,  0.02371581,  2.03863167,
       -1.941308  ,  0.85357057, -1.46877604, -0.95328749, -1.33181464,
       -1.25224229,  0.03797507, -0.6273001 ,  1.56142073, -0.83643638,
        0.69438821,  1.54219996, -0.34278749,  0.06197617,  0.09974769,
       -0.62020202, -0.11640027,  0.10700309,  0.96413152, -1.72958611,
        1.43239689,  0.13055473,  0.71091025,  0.03123383,  1.5221691 ,
       -1.1079881 ,  0.5123713 , -1.60759346, -0.19744046, -0.94268907])
```

[ ]:
```
#use the generator to generate n fake examples with class labels
def generate_fake_images(g_model, latent_dim, n_sample):
  #generate point in the latent space
  x_input = generate_latent_points(latent_dim, n_sample)
  #predict output from generator
  X = g_model.predict(x_input)
  #create a fake class label: (0)
```

```
  y = np.zeros((n_sample,1))

  return X,y
```

[ ]:
```
#size of the latent space
latent_dim = 100
# define the generator model
model = define_generator(latent_dim)
#generate samples
n_sample = 40
X,_ = generate_fake_images(model, latent_dim, n_sample)
#scale the pixel value from [-1,1] to [0,1]
X = (X + 1) / 2.0
#plot the generated samples
for i in range(n_sample):
  #define subplots
  pyplot.subplot(7,7,1+i)
  #turn of axis
  pyplot.axis('off')
  #plot raw pixel data
  pyplot.imshow(X[i])
pyplot.show()
```

```
2/2 [==============================] - 0s 110ms/step
```

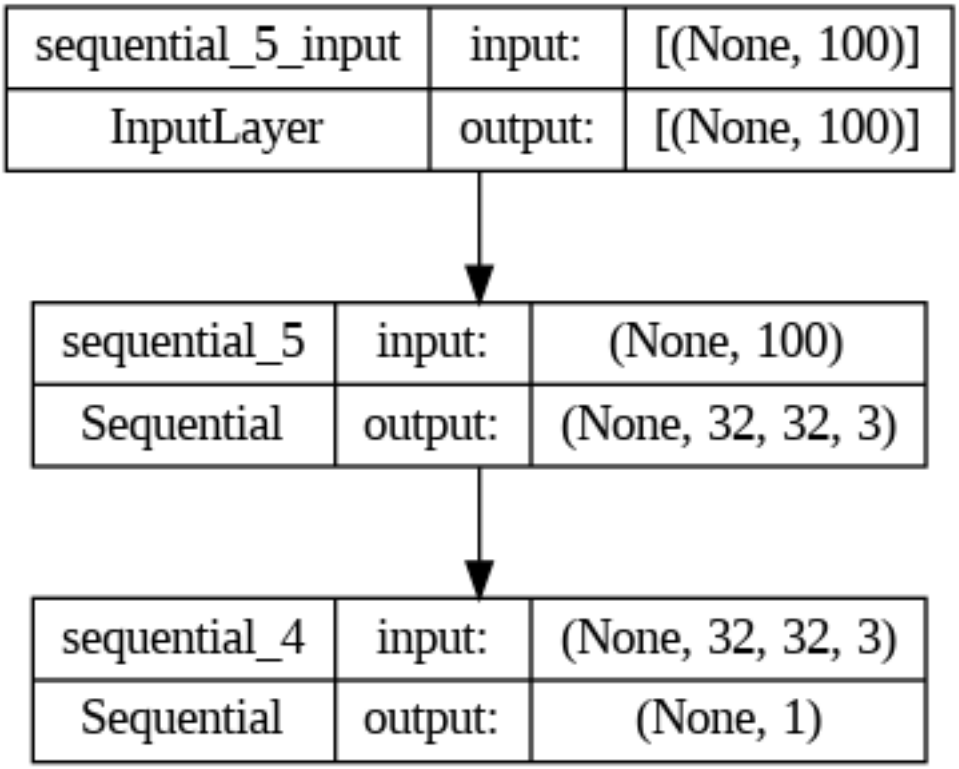


[ ]:
```
#defining the combined generator and discriminator model, for updating the␣
 ↪generator
def define_gan(g_model,d_model):
  #make weights in the discriminator not trainable
  d_model.trainable = False
  #connect them
  model = Sequential()
  #add generator
  model.add(g_model)
  #add discriminator
  model.add(d_model)
  #compile model
  adam = keras.optimizers.Adam(learning_rate=0.0002, beta_1=0.5)
  model.compile(loss='binary_crossentropy', optimizer = adam)

  return model
```

[ ]:
```
# size of the latent space
latent_dim = 100
#create discriminator
d_model = define_discriminator()
#create generator
g_model = define_generator(latent_dim)
#create the GAN
gan_model = define_gan(g_model, d_model)
#summarize the gan
gan_model.summary()
#plot the gan model
plot_model(gan_model, to_file='gan_model_plot.png', show_shapes=True,␣
 ↪show_layer_names=True)
```

```
Model: "sequential_6"
_________________________________________________________________
 Layer (type)                Output Shape              Param #
=================================================================
 sequential_5 (Sequential)   (None, 32, 32, 3)         1466115

 sequential_4 (Sequential)   (None, 1)                 522497

=================================================================
Total params: 1,988,612
Trainable params: 1,466,115
Non-trainable params: 522,497
_________________________________________________________________
```

[ ]:



[ ]:
```
#train the generator & dicriminator
def train(g_model, gan_model, dataset, latent_dim, n_epochs=200, n_batch=128):
  bat_per_epo = int(dataset.shape[0]/n_batch)
  half_batch = int(n_batch/2)
  #manually enumerate epochs
  for i in range(n_epochs):
    #enumerate batches over the training set
    for j in range(bat_per_epo):
      #get randomly selected real samples
      X_real, y_real = generate_real_samples(dataset, half_batch)
      #update discriminator model weights
      d_loss1,_ = d_model.train_on_batch(X_real, y_real)
      #generate fake examples
      X_fake, y_fake = generate_fake_images(g_model,latent_dim, half_batch)
      #update discriminator model weights
      d_loss2,_ = d_model.train_on_batch(X_fake, y_fake)
      #prepare points in the latent space as input for the generator
      X_gan = generate_latent_points(latent_dim, n_batch)
      # create inverted labels for fake samples
      y_gan = np.ones((n_batch,1))
      #update the generator via the discriminator'r error
      g_loss = gan_model.train_on_batch(X_gan, y_gan)
```

```
      #summarize loss on this batches
      print('>%d, %d/%d, d1=%.3f, d2=%.3f, g=%.3f' %
            (i+i, j+1, bat_per_epo, d_loss1, d_loss2, g_loss))

    #evaluate the model performance sometimes
    if (i+1) % 10 ==0:
      summarize_performance(i, g_model, d_model, dataset, latent_dim)
```

[ ]:
```
# evaluate the discriminator, plot generated images, save generator model
def summarize_performance(epochs, g_model, d_model, dataset, latent_dim,␣
 ↪n_sample=150):
  #prepare real sample
  X_real, y_real = generate_real_samples(dataset, n_sample)
  #evaluate dicriminator on real examples
  _,acc_real = d_model.evaluate(X_real, y_real, verbose=0)
  #prepare fake examples
  X_fake, y_fake = generate_fake_images(g_model,latent_dim, n_sample)
  #evaluate dicriminator on fake examples
  _,acc_fake = d_model.evaluate(X_fake, y_fake, verbose=0)
  # summarize discriminator performance
  print(">Accuracy real: %.0f%%, fake: %.0f%%" % (acc_real*100, acc_fake*100))
  #save plot
  save_plot(X_fake, epochs)
  # save the generator model title file
  filename = 'generator_model_%03d.h5' % (epochs+1)
  g_model.save(filename)
```

[ ]:
```
# create and save a plot of generated images
def save_plot(examples, epochs,n=7):
  #scale the pixel value from [-1,1] to [0,1]
  examples = (examples + 1) / 2.0
  #plot the generated samples
  for i in range(n*n):
    #define subplots
    pyplot.subplot(n,n,1+i)
    #turn of axis
    pyplot.axis('off')
    #plot raw pixel data
    pyplot.imshow(examples[i])
  #save plot as file
  filename = 'generated_plot_%03d.png' % (epochs+1)
  pyplot.savefig(filename)
  pyplot.close()
```

[ ]:
```
train(g_model, gan_model, dataset, latent_dim, n_epochs=200, n_batch=128)
```

```
Streaming output truncated to the last 5000 lines.
```

```
2/2 [==============================] - 0s 3ms/step
>6, 232/390, d1=0.657, d2=0.590, g=1.000
2/2 [==============================] - 0s 4ms/step
>6, 233/390, d1=0.714, d2=0.585, g=1.053
2/2 [==============================] - 0s 4ms/step
>6, 234/390, d1=0.649, d2=0.564, g=1.026
2/2 [==============================] - 0s 4ms/step
>6, 235/390, d1=0.662, d2=0.594, g=1.035
2/2 [==============================] - 0s 4ms/step
>6, 236/390, d1=0.618, d2=0.540, g=1.043
2/2 [==============================] - 0s 4ms/step
>6, 237/390, d1=0.572, d2=0.560, g=1.089
2/2 [==============================] - 0s 4ms/step
>6, 238/390, d1=0.602, d2=0.605, g=1.069
2/2 [==============================] - 0s 4ms/step
>6, 239/390, d1=0.560, d2=0.574, g=1.038
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>6, 241/390, d1=0.542, d2=0.533, g=1.018
2/2 [==============================] - 0s 4ms/step
>6, 242/390, d1=0.599, d2=0.621, g=1.012
2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 4ms/step
>6, 244/390, d1=0.539, d2=0.619, g=1.029
2/2 [==============================] - 0s 4ms/step
>6, 245/390, d1=0.558, d2=0.609, g=1.070
2/2 [==============================] - 0s 4ms/step
>6, 246/390, d1=0.584, d2=0.592, g=1.079
2/2 [==============================] - 0s 4ms/step
>6, 247/390, d1=0.512, d2=0.569, g=1.119
2/2 [==============================] - 0s 4ms/step
>6, 248/390, d1=0.632, d2=0.577, g=1.072
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>6, 249/390, d1=0.525, d2=0.569, g=1.102
2/2 [==============================] - 0s 6ms/step
>6, 250/390, d1=0.478, d2=0.542, g=1.218
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2/2 [==============================] - 0s 4ms/step
>6, 252/390, d1=0.565, d2=0.505, g=1.241
2/2 [==============================] - 0s 4ms/step
>6, 253/390, d1=0.405, d2=0.491, g=1.285
2/2 [==============================] - 0s 4ms/step
>6, 254/390, d1=0.414, d2=0.465, g=1.332
2/2 [==============================] - 0s 4ms/step
>6, 255/390, d1=0.422, d2=0.490, g=1.390
```

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2/2 [==============================] - 0s 4ms/step
>6, 256/390, d1=0.373, d2=0.476, g=1.376
2/2 [==============================] - 0s 4ms/step
>6, 257/390, d1=0.379, d2=0.453, g=1.380
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>6, 259/390, d1=0.532, d2=0.477, g=1.409
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>6, 260/390, d1=0.604, d2=0.533, g=1.317
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>6, 262/390, d1=0.486, d2=0.515, g=1.432
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>6, 264/390, d1=0.832, d2=0.703, g=1.367
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>6, 265/390, d1=0.863, d2=0.528, g=1.430
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>6, 266/390, d1=0.802, d2=0.545, g=1.510
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>6, 268/390, d1=0.716, d2=0.455, g=1.559
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>6, 269/390, d1=0.648, d2=0.426, g=1.503
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>6, 275/390, d1=0.516, d2=0.571, g=1.545
2/2 [==============================] - 0s 4ms/step
>6, 276/390, d1=0.549, d2=0.474, g=1.459
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>6, 277/390, d1=0.634, d2=0.625, g=1.346
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2/2 [==============================] - 0s 4ms/step
>6, 279/390, d1=0.498, d2=0.594, g=1.220
```

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2/2 [==============================] - 0s 4ms/step
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>6, 281/390, d1=0.572, d2=0.591, g=1.165
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>6, 283/390, d1=0.580, d2=0.603, g=1.132
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>6, 284/390, d1=0.593, d2=0.645, g=1.063
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>6, 285/390, d1=0.493, d2=0.673, g=1.150
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>6, 286/390, d1=0.655, d2=0.607, g=1.031
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>6, 294/390, d1=0.717, d2=0.625, g=1.041
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>6, 303/390, d1=0.705, d2=0.545, g=1.248
```

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2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 4ms/step
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>6, 318/390, d1=0.450, d2=0.523, g=1.186
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>6, 319/390, d1=0.416, d2=0.552, g=1.161
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>6, 320/390, d1=0.483, d2=0.596, g=1.089
2/2 [==============================] - 0s 4ms/step
>6, 321/390, d1=0.570, d2=0.669, g=1.082
2/2 [==============================] - 0s 4ms/step
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>6, 324/390, d1=0.660, d2=0.729, g=1.205
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>6, 325/390, d1=0.619, d2=0.650, g=1.159
2/2 [==============================] - 0s 3ms/step
>6, 326/390, d1=0.624, d2=0.664, g=1.163
2/2 [==============================] - 0s 3ms/step
>6, 327/390, d1=0.556, d2=0.553, g=1.275
```

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2/2 [==============================] - 0s 4ms/step
>6, 328/390, d1=0.574, d2=0.550, g=1.147
2/2 [==============================] - 0s 4ms/step
>6, 329/390, d1=0.627, d2=0.656, g=1.149
2/2 [==============================] - 0s 4ms/step
>6, 330/390, d1=0.638, d2=0.657, g=1.053
2/2 [==============================] - 0s 3ms/step
>6, 331/390, d1=0.361, d2=0.650, g=1.094
2/2 [==============================] - 0s 4ms/step
>6, 332/390, d1=0.574, d2=0.599, g=1.134
2/2 [==============================] - 0s 4ms/step
>6, 333/390, d1=0.703, d2=0.778, g=1.098
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>6, 334/390, d1=0.597, d2=0.736, g=1.054
2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 4ms/step
>6, 336/390, d1=0.669, d2=0.656, g=1.068
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>6, 337/390, d1=0.649, d2=0.879, g=1.174
2/2 [==============================] - 0s 4ms/step
>6, 338/390, d1=0.657, d2=0.988, g=1.300
2/2 [==============================] - 0s 4ms/step
>6, 339/390, d1=0.753, d2=0.736, g=1.176
2/2 [==============================] - 0s 4ms/step
>6, 340/390, d1=0.706, d2=0.602, g=1.119
2/2 [==============================] - 0s 4ms/step
>6, 341/390, d1=0.639, d2=0.745, g=1.133
2/2 [==============================] - 0s 4ms/step
>6, 342/390, d1=0.724, d2=0.685, g=1.104
2/2 [==============================] - 0s 4ms/step
>6, 343/390, d1=0.691, d2=0.654, g=1.247
2/2 [==============================] - 0s 4ms/step
>6, 344/390, d1=0.615, d2=0.601, g=1.255
2/2 [==============================] - 0s 4ms/step
>6, 345/390, d1=0.690, d2=0.572, g=1.234
2/2 [==============================] - 0s 4ms/step
>6, 346/390, d1=0.653, d2=0.577, g=1.118
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>6, 347/390, d1=0.663, d2=0.604, g=1.080
2/2 [==============================] - 0s 4ms/step
>6, 348/390, d1=0.714, d2=0.692, g=1.189
2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 4ms/step
>6, 350/390, d1=0.646, d2=0.517, g=1.191
2/2 [==============================] - 0s 4ms/step
>6, 351/390, d1=0.693, d2=0.591, g=1.216
```

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2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 4ms/step
>6, 353/390, d1=0.661, d2=0.631, g=1.146
2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 4ms/step
>6, 355/390, d1=0.721, d2=0.693, g=1.089
2/2 [==============================] - 0s 4ms/step
>6, 356/390, d1=0.597, d2=0.702, g=1.146
2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 4ms/step
>6, 361/390, d1=0.724, d2=0.643, g=0.977
2/2 [==============================] - 0s 4ms/step
>6, 362/390, d1=0.677, d2=0.659, g=0.921
2/2 [==============================] - 0s 4ms/step
>6, 363/390, d1=0.660, d2=0.766, g=0.935
2/2 [==============================] - 0s 4ms/step
>6, 364/390, d1=0.614, d2=0.706, g=0.908
2/2 [==============================] - 0s 4ms/step
>6, 365/390, d1=0.611, d2=0.683, g=0.992
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>6, 366/390, d1=0.722, d2=0.628, g=1.001
2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 4ms/step
>6, 368/390, d1=0.600, d2=0.611, g=0.976
2/2 [==============================] - 0s 4ms/step
>6, 369/390, d1=0.574, d2=0.640, g=0.964
2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 4ms/step
>6, 373/390, d1=0.545, d2=0.654, g=0.948
2/2 [==============================] - 0s 4ms/step
>6, 374/390, d1=0.571, d2=0.649, g=0.972
2/2 [==============================] - 0s 4ms/step
>6, 375/390, d1=0.587, d2=0.639, g=0.985
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2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 3ms/step
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2/2 [==============================] - 0s 4ms/step
>6, 378/390, d1=0.556, d2=0.591, g=1.006
2/2 [==============================] - 0s 4ms/step
>6, 379/390, d1=0.545, d2=0.585, g=1.000
2/2 [==============================] - 0s 4ms/step
>6, 380/390, d1=0.590, d2=0.614, g=0.983
2/2 [==============================] - 0s 3ms/step
>6, 381/390, d1=0.551, d2=0.605, g=1.022
2/2 [==============================] - 0s 4ms/step
>6, 382/390, d1=0.573, d2=0.644, g=0.972
2/2 [==============================] - 0s 3ms/step
>6, 383/390, d1=0.568, d2=0.635, g=0.979
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2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 3ms/step
>6, 387/390, d1=0.609, d2=0.684, g=1.075
2/2 [==============================] - 0s 4ms/step
>6, 388/390, d1=0.669, d2=0.657, g=1.133
2/2 [==============================] - 0s 4ms/step
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2/2 [==============================] - 0s 3ms/step
>6, 390/390, d1=0.709, d2=0.781, g=1.083
2/2 [==============================] - 0s 4ms/step
>8, 1/390, d1=0.843, d2=0.718, g=1.118
2/2 [==============================] - 0s 4ms/step
>8, 2/390, d1=0.782, d2=0.647, g=1.080
2/2 [==============================] - 0s 4ms/step
>8, 3/390, d1=0.830, d2=0.735, g=1.033
2/2 [==============================] - 0s 4ms/step
>8, 4/390, d1=0.767, d2=0.699, g=1.050
2/2 [==============================] - 0s 4ms/step
>8, 5/390, d1=0.733, d2=0.634, g=1.224
2/2 [==============================] - 0s 4ms/step
>8, 6/390, d1=0.846, d2=0.554, g=1.217
2/2 [==============================] - 0s 4ms/step
>8, 7/390, d1=0.782, d2=0.517, g=1.209
2/2 [==============================] - 0s 4ms/step
>8, 8/390, d1=0.774, d2=0.558, g=1.257
2/2 [==============================] - 0s 4ms/step
>8, 9/390, d1=0.760, d2=0.529, g=1.202
```

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2/2 [==============================] - 0s 4ms/step
>8, 10/390, d1=0.716, d2=0.495, g=1.213
2/2 [==============================] - 0s 4ms/step
>8, 11/390, d1=0.678, d2=0.650, g=1.082
2/2 [==============================] - 0s 4ms/step
>8, 12/390, d1=0.742, d2=0.668, g=1.027
2/2 [==============================] - 0s 4ms/step
>8, 13/390, d1=0.756, d2=0.581, g=1.053
2/2 [==============================] - 0s 4ms/step
>8, 14/390, d1=0.741, d2=0.752, g=0.936
2/2 [==============================] - 0s 3ms/step
>8, 15/390, d1=0.759, d2=0.682, g=0.998
2/2 [==============================] - 0s 4ms/step
>8, 16/390, d1=0.737, d2=0.697, g=0.951
2/2 [==============================] - 0s 4ms/step
>8, 17/390, d1=0.781, d2=0.635, g=0.942
2/2 [==============================] - 0s 4ms/step
>8, 18/390, d1=0.780, d2=0.722, g=0.975
2/2 [==============================] - 0s 4ms/step
>8, 19/390, d1=0.720, d2=0.614, g=0.946
2/2 [==============================] - 0s 3ms/step
>8, 20/390, d1=0.725, d2=0.618, g=0.952
2/2 [==============================] - 0s 4ms/step
>8, 21/390, d1=0.678, d2=0.613, g=0.987
2/2 [==============================] - 0s 4ms/step
>8, 22/390, d1=0.659, d2=0.568, g=1.008
2/2 [==============================] - 0s 4ms/step
>8, 23/390, d1=0.625, d2=0.605, g=1.041
2/2 [==============================] - 0s 4ms/step
>8, 24/390, d1=0.625, d2=0.546, g=1.063
2/2 [==============================] - 0s 4ms/step
>8, 25/390, d1=0.571, d2=0.515, g=1.076
2/2 [==============================] - 0s 4ms/step
>8, 26/390, d1=0.557, d2=0.485, g=1.128
2/2 [==============================] - 0s 4ms/step
>8, 27/390, d1=0.569, d2=0.460, g=1.100
2/2 [==============================] - 0s 4ms/step
>8, 28/390, d1=0.582, d2=0.534, g=1.153
2/2 [==============================] - 0s 4ms/step
>8, 29/390, d1=0.510, d2=0.569, g=1.073
2/2 [==============================] - 0s 4ms/step
>8, 30/390, d1=0.488, d2=0.515, g=1.117
2/2 [==============================] - 0s 3ms/step
>8, 31/390, d1=0.583, d2=0.529, g=1.049
2/2 [==============================] - 0s 3ms/step
>8, 32/390, d1=0.507, d2=0.566, g=1.047
2/2 [==============================] - 0s 4ms/step
>8, 33/390, d1=0.522, d2=0.628, g=1.085
```

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2/2 [==============================] - 0s 4ms/step
>8, 34/390, d1=0.525, d2=0.591, g=1.071
2/2 [==============================] - 0s 4ms/step
>8, 35/390, d1=0.617, d2=0.615, g=1.084
2/2 [==============================] - 0s 4ms/step
>8, 36/390, d1=0.599, d2=0.559, g=1.067
2/2 [==============================] - 0s 4ms/step
>8, 37/390, d1=0.548, d2=0.555, g=1.045
2/2 [==============================] - 0s 3ms/step
>8, 38/390, d1=0.637, d2=0.610, g=1.023
2/2 [==============================] - 0s 3ms/step
>8, 39/390, d1=0.592, d2=0.612, g=1.031
2/2 [==============================] - 0s 4ms/step
>8, 40/390, d1=0.665, d2=0.583, g=1.028
2/2 [==============================] - 0s 4ms/step
>8, 41/390, d1=0.663, d2=0.589, g=1.050
2/2 [==============================] - 0s 4ms/step
>8, 42/390, d1=0.644, d2=0.627, g=1.064
2/2 [==============================] - 0s 4ms/step
>8, 43/390, d1=0.625, d2=0.611, g=1.022
2/2 [==============================] - 0s 4ms/step
>8, 44/390, d1=0.654, d2=0.580, g=1.113
2/2 [==============================] - 0s 4ms/step
>8, 45/390, d1=0.671, d2=0.524, g=1.042
2/2 [==============================] - 0s 4ms/step
>8, 46/390, d1=0.739, d2=0.595, g=1.013
2/2 [==============================] - 0s 4ms/step
>8, 47/390, d1=0.664, d2=0.556, g=1.031
2/2 [==============================] - 0s 4ms/step
>8, 48/390, d1=0.668, d2=0.598, g=1.068
2/2 [==============================] - 0s 4ms/step
>8, 49/390, d1=0.597, d2=0.606, g=1.012
2/2 [==============================] - 0s 4ms/step
>8, 50/390, d1=0.658, d2=0.624, g=1.000
2/2 [==============================] - 0s 4ms/step
>8, 51/390, d1=0.691, d2=0.604, g=1.026
2/2 [==============================] - 0s 4ms/step
>8, 52/390, d1=0.646, d2=0.615, g=1.036
2/2 [==============================] - 0s 4ms/step
>8, 53/390, d1=0.658, d2=0.581, g=1.128
2/2 [==============================] - 0s 4ms/step
>8, 54/390, d1=0.704, d2=0.579, g=1.091
2/2 [==============================] - 0s 4ms/step
>8, 55/390, d1=0.738, d2=0.545, g=1.110
2/2 [==============================] - 0s 4ms/step
>8, 56/390, d1=0.701, d2=0.553, g=1.146
2/2 [==============================] - 0s 4ms/step
>8, 57/390, d1=0.672, d2=0.514, g=1.244
```

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2/2 [==============================] - 0s 4ms/step
>8, 58/390, d1=0.694, d2=0.536, g=1.131
2/2 [==============================] - 0s 4ms/step
>8, 59/390, d1=0.616, d2=0.468, g=1.234
2/2 [==============================] - 0s 4ms/step
>8, 60/390, d1=0.721, d2=0.475, g=1.213
2/2 [==============================] - 0s 3ms/step
>8, 61/390, d1=0.682, d2=0.471, g=1.182
2/2 [==============================] - 0s 4ms/step
>8, 62/390, d1=0.625, d2=0.482, g=1.189
2/2 [==============================] - 0s 4ms/step
>8, 63/390, d1=0.561, d2=0.474, g=1.175
2/2 [==============================] - 0s 4ms/step
>8, 64/390, d1=0.621, d2=0.489, g=1.166
2/2 [==============================] - 0s 4ms/step
>8, 65/390, d1=0.654, d2=0.502, g=1.144
2/2 [==============================] - 0s 4ms/step
>8, 66/390, d1=0.648, d2=0.523, g=1.121
2/2 [==============================] - 0s 4ms/step
>8, 67/390, d1=0.549, d2=0.530, g=1.080
2/2 [==============================] - 0s 4ms/step
>8, 68/390, d1=0.531, d2=0.525, g=1.100
2/2 [==============================] - 0s 3ms/step
>8, 69/390, d1=0.616, d2=0.563, g=1.053
2/2 [==============================] - 0s 4ms/step
>8, 70/390, d1=0.540, d2=0.541, g=1.071
2/2 [==============================] - 0s 4ms/step
>8, 71/390, d1=0.515, d2=0.543, g=1.076
2/2 [==============================] - 0s 4ms/step
>8, 72/390, d1=0.637, d2=0.534, g=1.036
2/2 [==============================] - 0s 4ms/step
>8, 73/390, d1=0.543, d2=0.608, g=1.025
2/2 [==============================] - 0s 4ms/step
>8, 74/390, d1=0.530, d2=0.564, g=1.062
2/2 [==============================] - 0s 4ms/step
>8, 75/390, d1=0.530, d2=0.547, g=1.059
2/2 [==============================] - 0s 4ms/step
>8, 76/390, d1=0.551, d2=0.495, g=1.140
2/2 [==============================] - 0s 4ms/step
>8, 77/390, d1=0.574, d2=0.482, g=1.122
2/2 [==============================] - 0s 4ms/step
>8, 78/390, d1=0.482, d2=0.500, g=1.159
2/2 [==============================] - 0s 4ms/step
>8, 79/390, d1=0.531, d2=0.503, g=1.173
2/2 [==============================] - 0s 4ms/step
>8, 80/390, d1=0.502, d2=0.457, g=1.159
2/2 [==============================] - 0s 3ms/step
>8, 81/390, d1=0.549, d2=0.513, g=1.113
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2/2 [==============================] - 0s 4ms/step
>8, 82/390, d1=0.512, d2=0.570, g=1.157
2/2 [==============================] - 0s 4ms/step
>8, 83/390, d1=0.589, d2=0.613, g=1.019
2/2 [==============================] - 0s 4ms/step
>8, 84/390, d1=0.375, d2=0.661, g=1.002
2/2 [==============================] - 0s 4ms/step
>8, 85/390, d1=0.576, d2=0.741, g=0.943
2/2 [==============================] - 0s 4ms/step
>8, 86/390, d1=0.687, d2=0.894, g=0.860
2/2 [==============================] - 0s 4ms/step
>8, 87/390, d1=0.647, d2=1.053, g=0.862
2/2 [==============================] - 0s 4ms/step
>8, 88/390, d1=0.773, d2=0.895, g=0.791
2/2 [==============================] - 0s 4ms/step
>8, 89/390, d1=0.714, d2=0.876, g=0.870
2/2 [==============================] - 0s 4ms/step
>8, 90/390, d1=0.698, d2=0.777, g=1.033
2/2 [==============================] - 0s 3ms/step
>8, 91/390, d1=0.811, d2=0.760, g=1.051
2/2 [==============================] - 0s 4ms/step
>8, 92/390, d1=0.703, d2=0.550, g=1.129
2/2 [==============================] - 0s 3ms/step
>8, 93/390, d1=0.723, d2=0.549, g=1.261
2/2 [==============================] - 0s 3ms/step
>8, 94/390, d1=0.659, d2=0.529, g=1.232
2/2 [==============================] - 0s 3ms/step
>8, 95/390, d1=0.597, d2=0.575, g=1.169
2/2 [==============================] - 0s 4ms/step
>8, 96/390, d1=0.500, d2=0.604, g=1.175
2/2 [==============================] - 0s 4ms/step
>8, 97/390, d1=0.554, d2=0.528, g=1.101
2/2 [==============================] - 0s 4ms/step
>8, 98/390, d1=0.605, d2=0.582, g=1.208
2/2 [==============================] - 0s 4ms/step
>8, 99/390, d1=0.543, d2=0.633, g=1.268
2/2 [==============================] - 0s 4ms/step
>8, 100/390, d1=0.638, d2=0.525, g=1.258
2/2 [==============================] - 0s 4ms/step
>8, 101/390, d1=0.627, d2=0.421, g=1.183
2/2 [==============================] - 0s 4ms/step
>8, 102/390, d1=0.515, d2=0.594, g=1.144
2/2 [==============================] - 0s 4ms/step
>8, 103/390, d1=0.537, d2=0.625, g=1.134
2/2 [==============================] - 0s 4ms/step
>8, 104/390, d1=0.562, d2=0.569, g=1.192
2/2 [==============================] - 0s 4ms/step
>8, 105/390, d1=0.575, d2=0.573, g=1.167
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2/2 [==============================] - 0s 4ms/step
>8, 106/390, d1=0.584, d2=0.621, g=1.070
2/2 [==============================] - 0s 3ms/step
>8, 107/390, d1=0.548, d2=0.627, g=1.077
2/2 [==============================] - 0s 4ms/step
>8, 108/390, d1=0.514, d2=0.656, g=0.959
2/2 [==============================] - 0s 4ms/step
>8, 109/390, d1=0.550, d2=0.596, g=0.921
2/2 [==============================] - 0s 3ms/step
>8, 110/390, d1=0.570, d2=0.621, g=0.944
2/2 [==============================] - 0s 4ms/step
>8, 111/390, d1=0.535, d2=0.678, g=0.908
2/2 [==============================] - 0s 4ms/step
>8, 112/390, d1=0.475, d2=0.642, g=0.958
2/2 [==============================] - 0s 3ms/step
>8, 113/390, d1=0.490, d2=0.693, g=0.936
2/2 [==============================] - 0s 4ms/step
>8, 114/390, d1=0.511, d2=0.633, g=0.950
2/2 [==============================] - 0s 4ms/step
>8, 115/390, d1=0.520, d2=0.627, g=0.960
2/2 [==============================] - 0s 4ms/step
>8, 116/390, d1=0.541, d2=0.656, g=0.972
2/2 [==============================] - 0s 3ms/step
>8, 117/390, d1=0.584, d2=0.644, g=0.989
2/2 [==============================] - 0s 4ms/step
>8, 118/390, d1=0.491, d2=0.691, g=1.040
2/2 [==============================] - 0s 4ms/step
>8, 119/390, d1=0.599, d2=0.672, g=1.071
2/2 [==============================] - 0s 4ms/step
>8, 120/390, d1=0.755, d2=0.657, g=1.053
2/2 [==============================] - 0s 5ms/step
>8, 121/390, d1=0.672, d2=0.624, g=0.992
2/2 [==============================] - 0s 4ms/step
>8, 122/390, d1=0.667, d2=0.668, g=1.045
2/2 [==============================] - 0s 4ms/step
>8, 123/390, d1=0.730, d2=0.600, g=1.103
2/2 [==============================] - 0s 3ms/step
>8, 124/390, d1=0.694, d2=0.551, g=1.231
2/2 [==============================] - 0s 3ms/step
>8, 125/390, d1=0.795, d2=0.534, g=1.319
2/2 [==============================] - 0s 3ms/step
>8, 126/390, d1=0.707, d2=0.472, g=1.414
2/2 [==============================] - 0s 3ms/step
>8, 127/390, d1=0.716, d2=0.458, g=1.413
2/2 [==============================] - 0s 4ms/step
>8, 128/390, d1=0.660, d2=0.437, g=1.373
2/2 [==============================] - 0s 3ms/step
>8, 129/390, d1=0.528, d2=0.438, g=1.283
```

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2/2 [==============================] - 0s 4ms/step
>8, 130/390, d1=0.527, d2=0.572, g=1.158
2/2 [==============================] - 0s 5ms/step
>8, 131/390, d1=0.476, d2=0.578, g=1.142
2/2 [==============================] - 0s 4ms/step
>8, 132/390, d1=0.563, d2=0.589, g=1.109
2/2 [==============================] - 0s 3ms/step
>8, 133/390, d1=0.621, d2=0.745, g=1.146
2/2 [==============================] - 0s 4ms/step
>8, 134/390, d1=0.770, d2=0.655, g=1.054
2/2 [==============================] - 0s 4ms/step
>8, 135/390, d1=0.731, d2=0.605, g=1.222
2/2 [==============================] - 0s 4ms/step
>8, 136/390, d1=0.702, d2=0.599, g=1.321
2/2 [==============================] - 0s 4ms/step
>8, 137/390, d1=0.634, d2=0.583, g=1.372
2/2 [==============================] - 0s 4ms/step
>8, 138/390, d1=0.657, d2=0.463, g=1.404
2/2 [==============================] - 0s 3ms/step
>8, 139/390, d1=0.638, d2=0.500, g=1.286
2/2 [==============================] - 0s 4ms/step
>8, 140/390, d1=0.566, d2=0.492, g=1.228
2/2 [==============================] - 0s 4ms/step
>8, 141/390, d1=0.544, d2=0.511, g=1.158
2/2 [==============================] - 0s 4ms/step
>8, 142/390, d1=0.514, d2=0.511, g=1.133
2/2 [==============================] - 0s 3ms/step
>8, 143/390, d1=0.568, d2=0.597, g=1.080
2/2 [==============================] - 0s 4ms/step
>8, 144/390, d1=0.521, d2=0.590, g=0.988
2/2 [==============================] - 0s 4ms/step
>8, 145/390, d1=0.554, d2=0.624, g=1.016
2/2 [==============================] - 0s 4ms/step
>8, 146/390, d1=0.446, d2=0.691, g=1.019
2/2 [==============================] - 0s 4ms/step
>8, 147/390, d1=0.618, d2=0.649, g=1.098
2/2 [==============================] - 0s 4ms/step
>8, 148/390, d1=0.586, d2=0.620, g=1.128
2/2 [==============================] - 0s 4ms/step
>8, 149/390, d1=0.692, d2=0.573, g=1.171
2/2 [==============================] - 0s 4ms/step
>8, 150/390, d1=0.707, d2=0.515, g=1.235
2/2 [==============================] - 0s 3ms/step
>8, 151/390, d1=0.654, d2=0.455, g=1.388
2/2 [==============================] - 0s 4ms/step
>8, 152/390, d1=0.574, d2=0.375, g=1.395
2/2 [==============================] - 0s 4ms/step
>8, 153/390, d1=0.625, d2=0.401, g=1.403
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2/2 [==============================] - 0s 4ms/step
>8, 154/390, d1=0.619, d2=0.489, g=1.331
2/2 [==============================] - 0s 4ms/step
>8, 155/390, d1=0.484, d2=0.458, g=1.383
2/2 [==============================] - 0s 4ms/step
>8, 156/390, d1=0.583, d2=0.492, g=1.190
2/2 [==============================] - 0s 4ms/step
>8, 157/390, d1=0.657, d2=0.621, g=1.005
2/2 [==============================] - 0s 4ms/step
>8, 158/390, d1=0.595, d2=0.716, g=0.981
2/2 [==============================] - 0s 3ms/step
>8, 159/390, d1=0.612, d2=0.707, g=0.927
2/2 [==============================] - 0s 4ms/step
>8, 160/390, d1=0.529, d2=0.812, g=0.896
2/2 [==============================] - 0s 4ms/step
>8, 161/390, d1=0.723, d2=0.779, g=0.847
2/2 [==============================] - 0s 5ms/step
>8, 162/390, d1=0.725, d2=0.666, g=0.885
2/2 [==============================] - 0s 4ms/step
>8, 163/390, d1=0.648, d2=0.701, g=0.913
2/2 [==============================] - 0s 4ms/step
>8, 164/390, d1=0.736, d2=0.680, g=0.885
2/2 [==============================] - 0s 4ms/step
>8, 165/390, d1=0.658, d2=0.608, g=0.984
2/2 [==============================] - 0s 4ms/step
>8, 166/390, d1=0.596, d2=0.521, g=1.047
2/2 [==============================] - 0s 4ms/step
>8, 167/390, d1=0.605, d2=0.503, g=1.123
2/2 [==============================] - 0s 4ms/step
>8, 168/390, d1=0.552, d2=0.492, g=1.227
2/2 [==============================] - 0s 4ms/step
>8, 169/390, d1=0.433, d2=0.417, g=1.284
2/2 [==============================] - 0s 4ms/step
>8, 170/390, d1=0.549, d2=0.438, g=1.239
2/2 [==============================] - 0s 4ms/step
>8, 171/390, d1=0.447, d2=0.462, g=1.228
2/2 [==============================] - 0s 4ms/step
>8, 172/390, d1=0.401, d2=0.439, g=1.215
2/2 [==============================] - 0s 4ms/step
>8, 173/390, d1=0.476, d2=0.526, g=1.212
2/2 [==============================] - 0s 4ms/step
>8, 174/390, d1=0.350, d2=0.469, g=1.168
2/2 [==============================] - 0s 4ms/step
>8, 175/390, d1=0.506, d2=0.523, g=1.062
2/2 [==============================] - 0s 4ms/step
>8, 176/390, d1=0.498, d2=0.719, g=1.009
2/2 [==============================] - 0s 4ms/step
>8, 177/390, d1=0.480, d2=0.717, g=1.028
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2/2 [==============================] - 0s 4ms/step
>8, 178/390, d1=0.500, d2=0.698, g=1.004
2/2 [==============================] - 0s 4ms/step
>8, 179/390, d1=0.664, d2=0.816, g=1.090
2/2 [==============================] - 0s 4ms/step
>8, 180/390, d1=0.570, d2=0.877, g=1.088
2/2 [==============================] - 0s 4ms/step
>8, 181/390, d1=0.724, d2=0.608, g=1.138
2/2 [==============================] - 0s 4ms/step
>8, 182/390, d1=0.750, d2=0.555, g=1.055
2/2 [==============================] - 0s 4ms/step
>8, 183/390, d1=0.709, d2=0.556, g=1.097
2/2 [==============================] - 0s 4ms/step
>8, 184/390, d1=0.722, d2=0.557, g=1.086
2/2 [==============================] - 0s 3ms/step
>8, 185/390, d1=0.650, d2=0.583, g=1.024
2/2 [==============================] - 0s 4ms/step
>8, 186/390, d1=0.658, d2=0.552, g=1.095
2/2 [==============================] - 0s 4ms/step
>8, 187/390, d1=0.566, d2=0.554, g=1.162
2/2 [==============================] - 0s 4ms/step
>8, 188/390, d1=0.650, d2=0.491, g=1.170
2/2 [==============================] - 0s 4ms/step
>8, 189/390, d1=0.545, d2=0.519, g=1.139
2/2 [==============================] - 0s 4ms/step
>8, 190/390, d1=0.632, d2=0.594, g=1.141
2/2 [==============================] - 0s 4ms/step
>8, 191/390, d1=0.600, d2=0.471, g=1.190
2/2 [==============================] - 0s 4ms/step
>8, 192/390, d1=0.563, d2=0.488, g=1.168
2/2 [==============================] - 0s 4ms/step
>8, 193/390, d1=0.537, d2=0.533, g=1.174
2/2 [==============================] - 0s 4ms/step
>8, 194/390, d1=0.472, d2=0.481, g=1.126
2/2 [==============================] - 0s 4ms/step
>8, 195/390, d1=0.449, d2=0.562, g=1.076
2/2 [==============================] - 0s 3ms/step
>8, 196/390, d1=0.486, d2=0.565, g=1.070
2/2 [==============================] - 0s 4ms/step
>8, 197/390, d1=0.438, d2=0.606, g=0.996
2/2 [==============================] - 0s 4ms/step
>8, 198/390, d1=0.438, d2=0.586, g=1.014
2/2 [==============================] - 0s 4ms/step
>8, 199/390, d1=0.482, d2=0.653, g=1.008
2/2 [==============================] - 0s 4ms/step
>8, 200/390, d1=0.547, d2=0.624, g=0.971
2/2 [==============================] - 0s 3ms/step
>8, 201/390, d1=0.579, d2=0.670, g=1.000
```

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2/2 [==============================] - 0s 4ms/step
>8, 202/390, d1=0.487, d2=0.698, g=0.953
2/2 [==============================] - 0s 4ms/step
>8, 203/390, d1=0.557, d2=0.708, g=0.974
2/2 [==============================] - 0s 4ms/step
>8, 204/390, d1=0.616, d2=0.624, g=0.973
2/2 [==============================] - 0s 4ms/step
>8, 205/390, d1=0.777, d2=0.686, g=0.983
2/2 [==============================] - 0s 4ms/step
>8, 206/390, d1=0.663, d2=0.657, g=1.008
2/2 [==============================] - 0s 4ms/step
>8, 207/390, d1=0.722, d2=0.627, g=1.052
2/2 [==============================] - 0s 4ms/step
>8, 208/390, d1=0.812, d2=0.685, g=1.006
2/2 [==============================] - 0s 4ms/step
>8, 209/390, d1=0.658, d2=0.622, g=1.038
2/2 [==============================] - 0s 4ms/step
>8, 210/390, d1=0.709, d2=0.576, g=1.110
2/2 [==============================] - 0s 4ms/step
>8, 211/390, d1=0.642, d2=0.535, g=1.192
2/2 [==============================] - 0s 4ms/step
>8, 212/390, d1=0.722, d2=0.504, g=1.197
2/2 [==============================] - 0s 4ms/step
>8, 213/390, d1=0.660, d2=0.535, g=1.279
2/2 [==============================] - 0s 4ms/step
>8, 214/390, d1=0.592, d2=0.493, g=1.306
2/2 [==============================] - 0s 4ms/step
>8, 215/390, d1=0.650, d2=0.483, g=1.236
2/2 [==============================] - 0s 4ms/step
>8, 216/390, d1=0.673, d2=0.491, g=1.263
2/2 [==============================] - 0s 4ms/step
>8, 217/390, d1=0.639, d2=0.501, g=1.307
2/2 [==============================] - 0s 4ms/step
>8, 218/390, d1=0.566, d2=0.536, g=1.247
2/2 [==============================] - 0s 4ms/step
>8, 219/390, d1=0.613, d2=0.483, g=1.203
2/2 [==============================] - 0s 4ms/step
>8, 220/390, d1=0.604, d2=0.509, g=1.147
2/2 [==============================] - 0s 4ms/step
>8, 221/390, d1=0.559, d2=0.569, g=1.225
2/2 [==============================] - 0s 4ms/step
>8, 222/390, d1=0.566, d2=0.565, g=1.169
2/2 [==============================] - 0s 4ms/step
>8, 223/390, d1=0.572, d2=0.562, g=1.189
2/2 [==============================] - 0s 3ms/step
>8, 224/390, d1=0.701, d2=0.545, g=1.114
2/2 [==============================] - 0s 3ms/step
>8, 225/390, d1=0.577, d2=0.558, g=1.157
```

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2/2 [==============================] - 0s 3ms/step
>8, 226/390, d1=0.561, d2=0.538, g=1.103
2/2 [==============================] - 0s 4ms/step
>8, 227/390, d1=0.578, d2=0.521, g=1.090
2/2 [==============================] - 0s 4ms/step
>8, 228/390, d1=0.502, d2=0.568, g=1.089
2/2 [==============================] - 0s 4ms/step
>8, 229/390, d1=0.553, d2=0.563, g=1.129
2/2 [==============================] - 0s 4ms/step
>8, 230/390, d1=0.448, d2=0.544, g=1.143
2/2 [==============================] - 0s 4ms/step
>8, 231/390, d1=0.600, d2=0.568, g=1.166
2/2 [==============================] - 0s 3ms/step
>8, 232/390, d1=0.573, d2=0.543, g=1.111
2/2 [==============================] - 0s 3ms/step
>8, 233/390, d1=0.533, d2=0.633, g=1.042
2/2 [==============================] - 0s 4ms/step
>8, 234/390, d1=0.596, d2=0.636, g=1.096
2/2 [==============================] - 0s 4ms/step
>8, 235/390, d1=0.570, d2=0.575, g=1.096
2/2 [==============================] - 0s 4ms/step
>8, 236/390, d1=0.583, d2=0.579, g=1.132
2/2 [==============================] - 0s 4ms/step
>8, 237/390, d1=0.535, d2=0.563, g=1.117
2/2 [==============================] - 0s 4ms/step
>8, 238/390, d1=0.571, d2=0.625, g=1.178
2/2 [==============================] - 0s 4ms/step
>8, 239/390, d1=0.526, d2=0.561, g=1.253
2/2 [==============================] - 0s 4ms/step
>8, 240/390, d1=0.601, d2=0.458, g=1.314
2/2 [==============================] - 0s 4ms/step
>8, 241/390, d1=0.578, d2=0.462, g=1.314
2/2 [==============================] - 0s 4ms/step
>8, 242/390, d1=0.526, d2=0.534, g=1.275
2/2 [==============================] - 0s 3ms/step
>8, 243/390, d1=0.500, d2=0.527, g=1.321
2/2 [==============================] - 0s 4ms/step
>8, 244/390, d1=0.559, d2=0.586, g=1.196
2/2 [==============================] - 0s 4ms/step
>8, 245/390, d1=0.602, d2=0.612, g=1.108
2/2 [==============================] - 0s 4ms/step
>8, 246/390, d1=0.586, d2=0.732, g=1.123
2/2 [==============================] - 0s 4ms/step
>8, 247/390, d1=0.702, d2=0.656, g=1.061
2/2 [==============================] - 0s 4ms/step
>8, 248/390, d1=0.748, d2=0.721, g=1.153
2/2 [==============================] - 0s 4ms/step
>8, 249/390, d1=0.748, d2=0.624, g=1.250
```

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2/2 [==============================] - 0s 4ms/step
>8, 250/390, d1=0.738, d2=0.572, g=1.101
2/2 [==============================] - 0s 4ms/step
>8, 251/390, d1=0.662, d2=0.657, g=1.043
2/2 [==============================] - 0s 4ms/step
>8, 252/390, d1=0.626, d2=0.678, g=1.154
2/2 [==============================] - 0s 4ms/step
>8, 253/390, d1=0.653, d2=0.597, g=1.221
2/2 [==============================] - 0s 4ms/step
>8, 254/390, d1=0.626, d2=0.552, g=1.224
2/2 [==============================] - 0s 4ms/step
>8, 255/390, d1=0.682, d2=0.540, g=1.299
2/2 [==============================] - 0s 4ms/step
>8, 256/390, d1=0.674, d2=0.553, g=1.160
2/2 [==============================] - 0s 3ms/step
>8, 257/390, d1=0.530, d2=0.565, g=1.227
2/2 [==============================] - 0s 4ms/step
>8, 258/390, d1=0.534, d2=0.579, g=1.174
2/2 [==============================] - 0s 4ms/step
>8, 259/390, d1=0.499, d2=0.569, g=1.253
2/2 [==============================] - 0s 4ms/step
>8, 260/390, d1=0.592, d2=0.507, g=1.321
2/2 [==============================] - 0s 4ms/step
>8, 261/390, d1=0.648, d2=0.493, g=1.255
2/2 [==============================] - 0s 4ms/step
>8, 262/390, d1=0.649, d2=0.616, g=1.319
2/2 [==============================] - 0s 4ms/step
>8, 263/390, d1=0.620, d2=0.517, g=1.287
2/2 [==============================] - 0s 4ms/step
>8, 264/390, d1=0.648, d2=0.595, g=1.268
2/2 [==============================] - 0s 4ms/step
>8, 265/390, d1=0.652, d2=0.498, g=1.265
2/2 [==============================] - 0s 4ms/step
>8, 266/390, d1=0.600, d2=0.517, g=1.204
2/2 [==============================] - 0s 4ms/step
>8, 267/390, d1=0.630, d2=0.574, g=1.243
2/2 [==============================] - 0s 4ms/step
>8, 268/390, d1=0.600, d2=0.505, g=1.176
2/2 [==============================] - 0s 4ms/step
>8, 269/390, d1=0.549, d2=0.542, g=1.251
2/2 [==============================] - 0s 4ms/step
>8, 270/390, d1=0.649, d2=0.550, g=1.249
2/2 [==============================] - 0s 4ms/step
>8, 271/390, d1=0.568, d2=0.549, g=1.266
2/2 [==============================] - 0s 4ms/step
>8, 272/390, d1=0.578, d2=0.491, g=1.235
2/2 [==============================] - 0s 4ms/step
>8, 273/390, d1=0.545, d2=0.538, g=1.175
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2/2 [==============================] - 0s 4ms/step
>8, 274/390, d1=0.600, d2=0.583, g=1.166
2/2 [==============================] - 0s 4ms/step
>8, 275/390, d1=0.575, d2=0.587, g=1.219
2/2 [==============================] - 0s 4ms/step
>8, 276/390, d1=0.657, d2=0.623, g=1.204
2/2 [==============================] - 0s 4ms/step
>8, 277/390, d1=0.687, d2=0.611, g=1.171
2/2 [==============================] - 0s 4ms/step
>8, 278/390, d1=0.563, d2=0.619, g=1.198
2/2 [==============================] - 0s 4ms/step
>8, 279/390, d1=0.597, d2=0.593, g=1.150
2/2 [==============================] - 0s 4ms/step
>8, 280/390, d1=0.527, d2=0.635, g=1.149
2/2 [==============================] - 0s 4ms/step
>8, 281/390, d1=0.678, d2=0.652, g=1.118
2/2 [==============================] - 0s 4ms/step
>8, 282/390, d1=0.677, d2=0.756, g=1.156
2/2 [==============================] - 0s 4ms/step
>8, 283/390, d1=0.809, d2=0.657, g=1.144
2/2 [==============================] - 0s 4ms/step
>8, 284/390, d1=0.689, d2=0.665, g=1.139
2/2 [==============================] - 0s 4ms/step
>8, 285/390, d1=0.853, d2=0.725, g=1.097
2/2 [==============================] - 0s 5ms/step
>8, 286/390, d1=0.700, d2=0.584, g=1.288
2/2 [==============================] - 0s 4ms/step
>8, 287/390, d1=0.821, d2=0.538, g=1.255
2/2 [==============================] - 0s 4ms/step
>8, 288/390, d1=0.661, d2=0.490, g=1.356
2/2 [==============================] - 0s 4ms/step
>8, 289/390, d1=0.668, d2=0.537, g=1.339
2/2 [==============================] - 0s 4ms/step
>8, 290/390, d1=0.698, d2=0.480, g=1.365
2/2 [==============================] - 0s 4ms/step
>8, 291/390, d1=0.705, d2=0.486, g=1.279
2/2 [==============================] - 0s 4ms/step
>8, 292/390, d1=0.643, d2=0.506, g=1.239
2/2 [==============================] - 0s 4ms/step
>8, 293/390, d1=0.561, d2=0.441, g=1.317
2/2 [==============================] - 0s 4ms/step
>8, 294/390, d1=0.545, d2=0.507, g=1.389
2/2 [==============================] - 0s 4ms/step
>8, 295/390, d1=0.594, d2=0.513, g=1.328
2/2 [==============================] - 0s 4ms/step
>8, 296/390, d1=0.648, d2=0.483, g=1.247
2/2 [==============================] - 0s 4ms/step
>8, 297/390, d1=0.666, d2=0.630, g=1.158
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2/2 [==============================] - 0s 4ms/step
>8, 298/390, d1=0.640, d2=0.642, g=1.138
2/2 [==============================] - 0s 4ms/step
>8, 299/390, d1=0.720, d2=0.615, g=1.078
2/2 [==============================] - 0s 4ms/step
>8, 300/390, d1=0.737, d2=0.678, g=1.061
2/2 [==============================] - 0s 4ms/step
>8, 301/390, d1=0.570, d2=0.723, g=1.002
2/2 [==============================] - 0s 4ms/step
>8, 302/390, d1=0.771, d2=0.605, g=0.948
2/2 [==============================] - 0s 4ms/step
>8, 303/390, d1=0.674, d2=0.816, g=0.919
2/2 [==============================] - 0s 4ms/step
>8, 304/390, d1=0.575, d2=0.623, g=0.967
2/2 [==============================] - 0s 4ms/step
>8, 305/390, d1=0.638, d2=0.675, g=0.994
2/2 [==============================] - 0s 3ms/step
>8, 306/390, d1=0.664, d2=0.626, g=0.984
2/2 [==============================] - 0s 4ms/step
>8, 307/390, d1=0.675, d2=0.631, g=1.031
2/2 [==============================] - 0s 4ms/step
>8, 308/390, d1=0.660, d2=0.613, g=1.068
2/2 [==============================] - 0s 4ms/step
>8, 309/390, d1=0.545, d2=0.551, g=1.032
2/2 [==============================] - 0s 4ms/step
>8, 310/390, d1=0.581, d2=0.582, g=1.104
2/2 [==============================] - 0s 4ms/step
>8, 311/390, d1=0.556, d2=0.557, g=1.096
2/2 [==============================] - 0s 4ms/step
>8, 312/390, d1=0.562, d2=0.511, g=1.126
2/2 [==============================] - 0s 4ms/step
>8, 313/390, d1=0.593, d2=0.470, g=1.114
2/2 [==============================] - 0s 3ms/step
>8, 314/390, d1=0.553, d2=0.561, g=1.154
2/2 [==============================] - 0s 4ms/step
>8, 315/390, d1=0.561, d2=0.570, g=1.117
2/2 [==============================] - 0s 5ms/step
>8, 316/390, d1=0.520, d2=0.508, g=1.185
2/2 [==============================] - 0s 4ms/step
>8, 317/390, d1=0.630, d2=0.567, g=1.137
2/2 [==============================] - 0s 4ms/step
>8, 318/390, d1=0.566, d2=0.578, g=1.131
2/2 [==============================] - 0s 4ms/step
>8, 319/390, d1=0.564, d2=0.574, g=1.050
2/2 [==============================] - 0s 4ms/step
>8, 320/390, d1=0.571, d2=0.618, g=1.130
2/2 [==============================] - 0s 4ms/step
>8, 321/390, d1=0.677, d2=0.560, g=1.118
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2/2 [==============================] - 0s 4ms/step
>8, 322/390, d1=0.573, d2=0.540, g=1.104
2/2 [==============================] - 0s 4ms/step
>8, 323/390, d1=0.558, d2=0.568, g=1.016
2/2 [==============================] - 0s 4ms/step
>8, 324/390, d1=0.523, d2=0.680, g=1.094
2/2 [==============================] - 0s 4ms/step
>8, 325/390, d1=0.632, d2=0.631, g=1.111
2/2 [==============================] - 0s 4ms/step
>8, 326/390, d1=0.664, d2=0.573, g=1.111
2/2 [==============================] - 0s 4ms/step
>8, 327/390, d1=0.618, d2=0.597, g=1.150
2/2 [==============================] - 0s 4ms/step
>8, 328/390, d1=0.646, d2=0.691, g=1.239
2/2 [==============================] - 0s 4ms/step
>8, 329/390, d1=0.534, d2=0.555, g=1.303
2/2 [==============================] - 0s 4ms/step
>8, 330/390, d1=0.618, d2=0.474, g=1.305
2/2 [==============================] - 0s 4ms/step
>8, 331/390, d1=0.637, d2=0.486, g=1.338
2/2 [==============================] - 0s 3ms/step
>8, 332/390, d1=0.581, d2=0.560, g=1.323
2/2 [==============================] - 0s 4ms/step
>8, 333/390, d1=0.492, d2=0.623, g=1.201
2/2 [==============================] - 0s 4ms/step
>8, 334/390, d1=0.641, d2=0.590, g=1.130
2/2 [==============================] - 0s 4ms/step
>8, 335/390, d1=0.641, d2=0.594, g=1.043
2/2 [==============================] - 0s 4ms/step
>8, 336/390, d1=0.533, d2=0.623, g=1.040
2/2 [==============================] - 0s 4ms/step
>8, 337/390, d1=0.590, d2=0.649, g=1.033
2/2 [==============================] - 0s 4ms/step
>8, 338/390, d1=0.541, d2=0.615, g=1.054
2/2 [==============================] - 0s 4ms/step
>8, 339/390, d1=0.595, d2=0.661, g=1.085
2/2 [==============================] - 0s 4ms/step
>8, 340/390, d1=0.710, d2=0.623, g=1.103
2/2 [==============================] - 0s 4ms/step
>8, 341/390, d1=0.653, d2=0.577, g=1.085
2/2 [==============================] - 0s 4ms/step
>8, 342/390, d1=0.529, d2=0.580, g=1.091
2/2 [==============================] - 0s 4ms/step
>8, 343/390, d1=0.628, d2=0.556, g=1.091
2/2 [==============================] - 0s 4ms/step
>8, 344/390, d1=0.655, d2=0.582, g=1.100
2/2 [==============================] - 0s 4ms/step
>8, 345/390, d1=0.579, d2=0.605, g=1.109
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2/2 [==============================] - 0s 3ms/step
>8, 346/390, d1=0.583, d2=0.607, g=1.093
2/2 [==============================] - 0s 4ms/step
>8, 347/390, d1=0.520, d2=0.602, g=1.083
2/2 [==============================] - 0s 4ms/step
>8, 348/390, d1=0.508, d2=0.572, g=1.086
2/2 [==============================] - 0s 3ms/step
>8, 349/390, d1=0.531, d2=0.530, g=1.058
2/2 [==============================] - 0s 3ms/step
>8, 350/390, d1=0.479, d2=0.587, g=1.075
2/2 [==============================] - 0s 3ms/step
>8, 351/390, d1=0.578, d2=0.601, g=1.143
2/2 [==============================] - 0s 4ms/step
>8, 352/390, d1=0.540, d2=0.599, g=1.121
2/2 [==============================] - 0s 4ms/step
>8, 353/390, d1=0.595, d2=0.563, g=1.163
2/2 [==============================] - 0s 4ms/step
>8, 354/390, d1=0.610, d2=0.590, g=1.057
2/2 [==============================] - 0s 4ms/step
>8, 355/390, d1=0.524, d2=0.572, g=1.124
2/2 [==============================] - 0s 4ms/step
>8, 356/390, d1=0.491, d2=0.505, g=1.269
2/2 [==============================] - 0s 3ms/step
>8, 357/390, d1=0.518, d2=0.534, g=1.302
2/2 [==============================] - 0s 3ms/step
>8, 358/390, d1=0.492, d2=0.502, g=1.350
2/2 [==============================] - 0s 3ms/step
>8, 359/390, d1=0.640, d2=0.516, g=1.302
2/2 [==============================] - 0s 5ms/step
>8, 360/390, d1=0.535, d2=0.565, g=1.296
2/2 [==============================] - 0s 4ms/step
>8, 361/390, d1=0.553, d2=0.494, g=1.218
2/2 [==============================] - 0s 4ms/step
>8, 362/390, d1=0.549, d2=0.600, g=1.262
2/2 [==============================] - 0s 4ms/step
>8, 363/390, d1=0.456, d2=0.536, g=1.375
2/2 [==============================] - 0s 3ms/step
>8, 364/390, d1=0.595, d2=0.463, g=1.318
2/2 [==============================] - 0s 4ms/step
>8, 365/390, d1=0.536, d2=0.582, g=1.113
2/2 [==============================] - 0s 4ms/step
>8, 366/390, d1=0.421, d2=0.730, g=1.097
2/2 [==============================] - 0s 4ms/step
>8, 367/390, d1=0.449, d2=0.637, g=1.220
2/2 [==============================] - 0s 4ms/step
>8, 368/390, d1=0.515, d2=0.643, g=1.185
2/2 [==============================] - 0s 4ms/step
>8, 369/390, d1=0.604, d2=0.689, g=1.234
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2/2 [==============================] - 0s 3ms/step
>8, 370/390, d1=0.605, d2=0.448, g=1.442
2/2 [==============================] - 0s 4ms/step
>8, 371/390, d1=0.511, d2=0.604, g=1.394
2/2 [==============================] - 0s 3ms/step
>8, 372/390, d1=0.514, d2=0.491, g=1.355
2/2 [==============================] - 0s 4ms/step
>8, 373/390, d1=0.596, d2=0.615, g=1.305
2/2 [==============================] - 0s 4ms/step
>8, 374/390, d1=0.607, d2=0.594, g=1.256
2/2 [==============================] - 0s 4ms/step
>8, 375/390, d1=0.613, d2=0.684, g=1.086
2/2 [==============================] - 0s 4ms/step
>8, 376/390, d1=0.571, d2=0.617, g=1.072
2/2 [==============================] - 0s 4ms/step
>8, 377/390, d1=0.559, d2=0.713, g=1.038
2/2 [==============================] - 0s 4ms/step
>8, 378/390, d1=0.638, d2=0.579, g=1.085
2/2 [==============================] - 0s 4ms/step
>8, 379/390, d1=0.610, d2=0.610, g=1.153
2/2 [==============================] - 0s 4ms/step
>8, 380/390, d1=0.721, d2=0.600, g=1.077
2/2 [==============================] - 0s 3ms/step
>8, 381/390, d1=0.609, d2=0.598, g=1.111
2/2 [==============================] - 0s 4ms/step
>8, 382/390, d1=0.577, d2=0.487, g=1.206
2/2 [==============================] - 0s 4ms/step
>8, 383/390, d1=0.613, d2=0.561, g=1.219
2/2 [==============================] - 0s 3ms/step
>8, 384/390, d1=0.625, d2=0.516, g=1.208
2/2 [==============================] - 0s 3ms/step
>8, 385/390, d1=0.468, d2=0.527, g=1.262
2/2 [==============================] - 0s 3ms/step
>8, 386/390, d1=0.621, d2=0.485, g=1.260
2/2 [==============================] - 0s 4ms/step
>8, 387/390, d1=0.527, d2=0.524, g=1.242
2/2 [==============================] - 0s 4ms/step
>8, 388/390, d1=0.548, d2=0.437, g=1.222
2/2 [==============================] - 0s 3ms/step
>8, 389/390, d1=0.507, d2=0.551, g=1.236
2/2 [==============================] - 0s 4ms/step
>8, 390/390, d1=0.621, d2=0.520, g=1.175
2/2 [==============================] - 0s 4ms/step
>10, 1/390, d1=0.557, d2=0.548, g=1.193
2/2 [==============================] - 0s 3ms/step
>10, 2/390, d1=0.649, d2=0.557, g=1.285
2/2 [==============================] - 0s 3ms/step
>10, 3/390, d1=0.629, d2=0.521, g=1.226
```

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2/2 [==============================] - 0s 3ms/step
>10, 4/390, d1=0.565, d2=0.592, g=1.216
2/2 [==============================] - 0s 4ms/step
>10, 5/390, d1=0.670, d2=0.660, g=1.269
2/2 [==============================] - 0s 3ms/step
>10, 6/390, d1=0.680, d2=0.595, g=1.351
2/2 [==============================] - 0s 3ms/step
>10, 7/390, d1=0.627, d2=0.503, g=1.298
2/2 [==============================] - 0s 3ms/step
>10, 8/390, d1=0.650, d2=0.560, g=1.257
2/2 [==============================] - 0s 3ms/step
>10, 9/390, d1=0.637, d2=0.548, g=1.261
2/2 [==============================] - 0s 3ms/step
>10, 10/390, d1=0.453, d2=0.534, g=1.336
2/2 [==============================] - 0s 3ms/step
>10, 11/390, d1=0.540, d2=0.471, g=1.371
2/2 [==============================] - 0s 4ms/step
>10, 12/390, d1=0.589, d2=0.485, g=1.246
2/2 [==============================] - 0s 3ms/step
>10, 13/390, d1=0.497, d2=0.462, g=1.313
2/2 [==============================] - 0s 3ms/step
>10, 14/390, d1=0.463, d2=0.488, g=1.314
2/2 [==============================] - 0s 4ms/step
>10, 15/390, d1=0.479, d2=0.564, g=1.341
2/2 [==============================] - 0s 4ms/step
>10, 16/390, d1=0.431, d2=0.511, g=1.453
2/2 [==============================] - 0s 4ms/step
>10, 17/390, d1=0.480, d2=0.514, g=1.406
2/2 [==============================] - 0s 3ms/step
>10, 18/390, d1=0.517, d2=0.480, g=1.346
2/2 [==============================] - 0s 3ms/step
>10, 19/390, d1=0.516, d2=0.511, g=1.254
2/2 [==============================] - 0s 3ms/step
>10, 20/390, d1=0.481, d2=0.585, g=1.284
2/2 [==============================] - 0s 3ms/step
>10, 21/390, d1=0.500, d2=0.629, g=1.317
2/2 [==============================] - 0s 4ms/step
>10, 22/390, d1=0.637, d2=0.647, g=1.390
2/2 [==============================] - 0s 3ms/step
>10, 23/390, d1=0.665, d2=0.813, g=1.421
2/2 [==============================] - 0s 3ms/step
>10, 24/390, d1=0.879, d2=0.547, g=1.370
2/2 [==============================] - 0s 3ms/step
>10, 25/390, d1=0.969, d2=0.532, g=1.363
2/2 [==============================] - 0s 3ms/step
>10, 26/390, d1=0.937, d2=0.601, g=1.451
2/2 [==============================] - 0s 3ms/step
>10, 27/390, d1=0.813, d2=0.493, g=1.506
```

```
2/2 [==============================] - 0s 3ms/step
>10, 28/390, d1=0.774, d2=0.494, g=1.495
2/2 [==============================] - 0s 3ms/step
>10, 29/390, d1=0.722, d2=0.415, g=1.407
2/2 [==============================] - 0s 3ms/step
>10, 30/390, d1=0.738, d2=0.476, g=1.505
2/2 [==============================] - 0s 3ms/step
>10, 31/390, d1=0.624, d2=0.374, g=1.424
2/2 [==============================] - 0s 4ms/step
>10, 32/390, d1=0.640, d2=0.469, g=1.342
2/2 [==============================] - 0s 3ms/step
>10, 33/390, d1=0.619, d2=0.527, g=1.317
2/2 [==============================] - 0s 4ms/step
>10, 34/390, d1=0.640, d2=0.516, g=1.431
2/2 [==============================] - 0s 4ms/step
>10, 35/390, d1=0.562, d2=0.468, g=1.385
2/2 [==============================] - 0s 4ms/step
>10, 36/390, d1=0.505, d2=0.508, g=1.474
2/2 [==============================] - 0s 3ms/step
>10, 37/390, d1=0.694, d2=0.445, g=1.340
2/2 [==============================] - 0s 4ms/step
>10, 38/390, d1=0.565, d2=0.563, g=1.322
2/2 [==============================] - 0s 4ms/step
>10, 39/390, d1=0.651, d2=0.502, g=1.347
2/2 [==============================] - 0s 4ms/step
>10, 40/390, d1=0.738, d2=0.572, g=1.286
2/2 [==============================] - 0s 4ms/step
>10, 41/390, d1=0.719, d2=0.525, g=1.215
2/2 [==============================] - 0s 4ms/step
>10, 42/390, d1=0.593, d2=0.510, g=1.265
2/2 [==============================] - 0s 4ms/step
>10, 43/390, d1=0.724, d2=0.549, g=1.274
2/2 [==============================] - 0s 4ms/step
>10, 44/390, d1=0.635, d2=0.464, g=1.208
2/2 [==============================] - 0s 3ms/step
>10, 45/390, d1=0.561, d2=0.491, g=1.170
2/2 [==============================] - 0s 3ms/step
>10, 46/390, d1=0.592, d2=0.490, g=1.147
2/2 [==============================] - 0s 4ms/step
>10, 47/390, d1=0.524, d2=0.543, g=1.184
2/2 [==============================] - 0s 4ms/step
>10, 48/390, d1=0.508, d2=0.525, g=1.246
2/2 [==============================] - 0s 4ms/step
>10, 49/390, d1=0.512, d2=0.500, g=1.192
2/2 [==============================] - 0s 3ms/step
>10, 50/390, d1=0.534, d2=0.543, g=1.230
2/2 [==============================] - 0s 3ms/step
>10, 51/390, d1=0.528, d2=0.538, g=1.209
```

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2/2 [==============================] - 0s 4ms/step
>10, 52/390, d1=0.555, d2=0.582, g=1.140
2/2 [==============================] - 0s 4ms/step
>10, 53/390, d1=0.465, d2=0.625, g=1.154
2/2 [==============================] - 0s 4ms/step
>10, 54/390, d1=0.650, d2=0.596, g=1.061
2/2 [==============================] - 0s 4ms/step
>10, 55/390, d1=0.550, d2=0.739, g=1.105
2/2 [==============================] - 0s 4ms/step
>10, 56/390, d1=0.634, d2=0.650, g=1.211
2/2 [==============================] - 0s 4ms/step
>10, 57/390, d1=0.673, d2=0.664, g=1.275
2/2 [==============================] - 0s 4ms/step
>10, 58/390, d1=0.782, d2=0.483, g=1.162
2/2 [==============================] - 0s 4ms/step
>10, 59/390, d1=0.647, d2=0.537, g=1.184
2/2 [==============================] - 0s 4ms/step
>10, 60/390, d1=0.569, d2=0.458, g=1.212
2/2 [==============================] - 0s 4ms/step
>10, 61/390, d1=0.629, d2=0.439, g=1.241
2/2 [==============================] - 0s 4ms/step
>10, 62/390, d1=0.576, d2=0.443, g=1.295
2/2 [==============================] - 0s 4ms/step
>10, 63/390, d1=0.589, d2=0.449, g=1.335
2/2 [==============================] - 0s 4ms/step
>10, 64/390, d1=0.500, d2=0.473, g=1.308
2/2 [==============================] - 0s 3ms/step
>10, 65/390, d1=0.495, d2=0.448, g=1.336
2/2 [==============================] - 0s 4ms/step
>10, 66/390, d1=0.502, d2=0.490, g=1.326
2/2 [==============================] - 0s 4ms/step
>10, 67/390, d1=0.521, d2=0.466, g=1.307
2/2 [==============================] - 0s 4ms/step
>10, 68/390, d1=0.500, d2=0.553, g=1.296
2/2 [==============================] - 0s 4ms/step
>10, 69/390, d1=0.562, d2=0.452, g=1.322
2/2 [==============================] - 0s 4ms/step
>10, 70/390, d1=0.642, d2=0.533, g=1.211
2/2 [==============================] - 0s 4ms/step
>10, 71/390, d1=0.483, d2=0.582, g=1.235
2/2 [==============================] - 0s 3ms/step
>10, 72/390, d1=0.522, d2=0.467, g=1.230
2/2 [==============================] - 0s 3ms/step
>10, 73/390, d1=0.633, d2=0.624, g=1.177
2/2 [==============================] - 0s 4ms/step
>10, 74/390, d1=0.530, d2=0.558, g=1.165
2/2 [==============================] - 0s 4ms/step
>10, 75/390, d1=0.488, d2=0.639, g=1.192
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2/2 [==============================] - 0s 4ms/step
>10, 76/390, d1=0.542, d2=0.766, g=1.278
2/2 [==============================] - 0s 4ms/step
>10, 77/390, d1=0.738, d2=0.583, g=1.253
2/2 [==============================] - 0s 4ms/step
>10, 78/390, d1=0.812, d2=0.621, g=1.187
2/2 [==============================] - 0s 4ms/step
>10, 79/390, d1=0.743, d2=0.683, g=1.243
2/2 [==============================] - 0s 4ms/step
>10, 80/390, d1=0.699, d2=0.519, g=1.285
2/2 [==============================] - 0s 4ms/step
>10, 81/390, d1=0.639, d2=0.567, g=1.370
2/2 [==============================] - 0s 4ms/step
>10, 82/390, d1=0.588, d2=0.414, g=1.462
2/2 [==============================] - 0s 4ms/step
>10, 83/390, d1=0.631, d2=0.391, g=1.331
2/2 [==============================] - 0s 4ms/step
>10, 84/390, d1=0.609, d2=0.447, g=1.384
2/2 [==============================] - 0s 3ms/step
>10, 85/390, d1=0.543, d2=0.522, g=1.212
2/2 [==============================] - 0s 4ms/step
>10, 86/390, d1=0.511, d2=0.584, g=1.165
2/2 [==============================] - 0s 4ms/step
>10, 87/390, d1=0.525, d2=0.625, g=1.063
2/2 [==============================] - 0s 4ms/step
>10, 88/390, d1=0.470, d2=0.759, g=1.250
2/2 [==============================] - 0s 4ms/step
>10, 89/390, d1=0.574, d2=0.501, g=1.229
2/2 [==============================] - 0s 4ms/step
>10, 90/390, d1=0.683, d2=0.565, g=1.106
2/2 [==============================] - 0s 4ms/step
>10, 91/390, d1=0.616, d2=0.689, g=1.022
2/2 [==============================] - 0s 4ms/step
>10, 92/390, d1=0.521, d2=0.640, g=1.122
2/2 [==============================] - 0s 4ms/step
>10, 93/390, d1=0.534, d2=0.532, g=1.154
2/2 [==============================] - 0s 4ms/step
>10, 94/390, d1=0.529, d2=0.538, g=1.260
2/2 [==============================] - 0s 5ms/step
>10, 95/390, d1=0.450, d2=0.544, g=1.170
2/2 [==============================] - 0s 4ms/step
>10, 96/390, d1=0.492, d2=0.537, g=1.235
2/2 [==============================] - 0s 4ms/step
>10, 97/390, d1=0.504, d2=0.537, g=1.207
2/2 [==============================] - 0s 4ms/step
>10, 98/390, d1=0.617, d2=0.604, g=1.327
2/2 [==============================] - 0s 4ms/step
>10, 99/390, d1=0.553, d2=0.474, g=1.315
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2/2 [==============================] - 0s 4ms/step
>10, 100/390, d1=0.604, d2=0.453, g=1.307
2/2 [==============================] - 0s 4ms/step
>10, 101/390, d1=0.497, d2=0.498, g=1.361
2/2 [==============================] - 0s 4ms/step
>10, 102/390, d1=0.493, d2=0.447, g=1.314
2/2 [==============================] - 0s 4ms/step
>10, 103/390, d1=0.428, d2=0.572, g=1.388
2/2 [==============================] - 0s 4ms/step
>10, 104/390, d1=0.528, d2=0.452, g=1.409
2/2 [==============================] - 0s 4ms/step
>10, 105/390, d1=0.655, d2=0.509, g=1.323
2/2 [==============================] - 0s 4ms/step
>10, 106/390, d1=0.621, d2=0.605, g=1.256
2/2 [==============================] - 0s 4ms/step
>10, 107/390, d1=0.492, d2=0.516, g=1.254
2/2 [==============================] - 0s 4ms/step
>10, 108/390, d1=0.572, d2=0.571, g=1.289
2/2 [==============================] - 0s 4ms/step
>10, 109/390, d1=0.682, d2=0.518, g=1.260
2/2 [==============================] - 0s 4ms/step
>10, 110/390, d1=0.646, d2=0.486, g=1.206
2/2 [==============================] - 0s 4ms/step
>10, 111/390, d1=0.486, d2=0.620, g=1.304
2/2 [==============================] - 0s 4ms/step
>10, 112/390, d1=0.481, d2=0.499, g=1.394
2/2 [==============================] - 0s 4ms/step
>10, 113/390, d1=0.570, d2=0.440, g=1.427
2/2 [==============================] - 0s 4ms/step
>10, 114/390, d1=0.615, d2=0.416, g=1.262
2/2 [==============================] - 0s 4ms/step
>10, 115/390, d1=0.581, d2=0.580, g=1.292
2/2 [==============================] - 0s 4ms/step
>10, 116/390, d1=0.564, d2=0.504, g=1.228
2/2 [==============================] - 0s 4ms/step
>10, 117/390, d1=0.574, d2=0.542, g=1.296
2/2 [==============================] - 0s 4ms/step
>10, 118/390, d1=0.578, d2=0.552, g=1.338
2/2 [==============================] - 0s 4ms/step
>10, 119/390, d1=0.546, d2=0.462, g=1.356
2/2 [==============================] - 0s 4ms/step
>10, 120/390, d1=0.638, d2=0.455, g=1.365
2/2 [==============================] - 0s 4ms/step
>10, 121/390, d1=0.615, d2=0.461, g=1.360
2/2 [==============================] - 0s 3ms/step
>10, 122/390, d1=0.681, d2=0.482, g=1.448
2/2 [==============================] - 0s 4ms/step
>10, 123/390, d1=0.588, d2=0.422, g=1.400
```

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2/2 [==============================] - 0s 4ms/step
>10, 124/390, d1=0.596, d2=0.475, g=1.439
2/2 [==============================] - 0s 4ms/step
>10, 125/390, d1=0.613, d2=0.473, g=1.521
2/2 [==============================] - 0s 4ms/step
>10, 126/390, d1=0.644, d2=0.530, g=1.400
2/2 [==============================] - 0s 4ms/step
>10, 127/390, d1=0.607, d2=0.493, g=1.453
2/2 [==============================] - 0s 3ms/step
>10, 128/390, d1=0.658, d2=0.506, g=1.298
2/2 [==============================] - 0s 4ms/step
>10, 129/390, d1=0.472, d2=0.617, g=1.378
2/2 [==============================] - 0s 4ms/step
>10, 130/390, d1=0.733, d2=0.642, g=1.327
2/2 [==============================] - 0s 4ms/step
>10, 131/390, d1=0.606, d2=0.574, g=1.320
2/2 [==============================] - 0s 4ms/step
>10, 132/390, d1=0.471, d2=0.607, g=1.526
2/2 [==============================] - 0s 4ms/step
>10, 133/390, d1=0.551, d2=0.422, g=1.442
2/2 [==============================] - 0s 4ms/step
>10, 134/390, d1=0.392, d2=0.384, g=1.486
2/2 [==============================] - 0s 3ms/step
>10, 135/390, d1=0.431, d2=0.514, g=1.360
2/2 [==============================] - 0s 4ms/step
>10, 136/390, d1=0.369, d2=0.591, g=1.384
2/2 [==============================] - 0s 4ms/step
>10, 137/390, d1=0.534, d2=0.674, g=1.381
2/2 [==============================] - 0s 4ms/step
>10, 138/390, d1=0.680, d2=1.002, g=1.448
2/2 [==============================] - 0s 4ms/step
>10, 139/390, d1=1.037, d2=1.031, g=1.648
2/2 [==============================] - 0s 4ms/step
>10, 140/390, d1=1.195, d2=0.753, g=1.960
2/2 [==============================] - 0s 4ms/step
>10, 141/390, d1=1.436, d2=0.292, g=1.847
2/2 [==============================] - 0s 4ms/step
>10, 142/390, d1=1.129, d2=0.360, g=1.513
2/2 [==============================] - 0s 4ms/step
>10, 143/390, d1=0.853, d2=0.435, g=1.357
2/2 [==============================] - 0s 4ms/step
>10, 144/390, d1=0.638, d2=0.433, g=1.381
2/2 [==============================] - 0s 4ms/step
>10, 145/390, d1=0.565, d2=0.411, g=1.333
2/2 [==============================] - 0s 4ms/step
>10, 146/390, d1=0.637, d2=0.469, g=1.296
2/2 [==============================] - 0s 3ms/step
>10, 147/390, d1=0.549, d2=0.528, g=1.187
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2/2 [==============================] - 0s 4ms/step
>10, 148/390, d1=0.534, d2=0.541, g=1.206
2/2 [==============================] - 0s 4ms/step
>10, 149/390, d1=0.467, d2=0.546, g=1.114
2/2 [==============================] - 0s 4ms/step
>10, 150/390, d1=0.503, d2=0.594, g=1.117
2/2 [==============================] - 0s 3ms/step
>10, 151/390, d1=0.474, d2=0.611, g=1.061
2/2 [==============================] - 0s 4ms/step
>10, 152/390, d1=0.603, d2=0.647, g=1.111
2/2 [==============================] - 0s 4ms/step
>10, 153/390, d1=0.493, d2=0.627, g=1.184
2/2 [==============================] - 0s 4ms/step
>10, 154/390, d1=0.672, d2=0.590, g=1.179
2/2 [==============================] - 0s 4ms/step
>10, 155/390, d1=0.716, d2=0.530, g=1.193
2/2 [==============================] - 0s 4ms/step
>10, 156/390, d1=0.628, d2=0.522, g=1.176
2/2 [==============================] - 0s 4ms/step
>10, 157/390, d1=0.722, d2=0.507, g=1.210
2/2 [==============================] - 0s 4ms/step
>10, 158/390, d1=0.631, d2=0.595, g=1.269
2/2 [==============================] - 0s 3ms/step
>10, 159/390, d1=0.699, d2=0.507, g=1.353
2/2 [==============================] - 0s 4ms/step
>10, 160/390, d1=0.601, d2=0.455, g=1.332
2/2 [==============================] - 0s 4ms/step
>10, 161/390, d1=0.618, d2=0.409, g=1.381
2/2 [==============================] - 0s 4ms/step
>10, 162/390, d1=0.567, d2=0.437, g=1.386
2/2 [==============================] - 0s 4ms/step
>10, 163/390, d1=0.549, d2=0.390, g=1.353
2/2 [==============================] - 0s 4ms/step
>10, 164/390, d1=0.474, d2=0.414, g=1.279
2/2 [==============================] - 0s 4ms/step
>10, 165/390, d1=0.482, d2=0.474, g=1.360
2/2 [==============================] - 0s 4ms/step
>10, 166/390, d1=0.378, d2=0.426, g=1.360
2/2 [==============================] - 0s 4ms/step
>10, 167/390, d1=0.377, d2=0.425, g=1.369
2/2 [==============================] - 0s 3ms/step
>10, 168/390, d1=0.324, d2=0.474, g=1.234
2/2 [==============================] - 0s 4ms/step
>10, 169/390, d1=0.368, d2=0.515, g=1.136
2/2 [==============================] - 0s 4ms/step
>10, 170/390, d1=0.314, d2=0.568, g=1.040
2/2 [==============================] - 0s 4ms/step
>10, 171/390, d1=0.335, d2=0.647, g=1.069
```

```
2/2 [==============================] - 0s 4ms/step
>10, 172/390, d1=0.445, d2=0.578, g=1.025
2/2 [==============================] - 0s 4ms/step
>10, 173/390, d1=0.381, d2=0.673, g=0.976
2/2 [==============================] - 0s 4ms/step
>10, 174/390, d1=0.439, d2=0.704, g=0.931
2/2 [==============================] - 0s 4ms/step
>10, 175/390, d1=0.526, d2=0.749, g=0.937
2/2 [==============================] - 0s 4ms/step
>10, 176/390, d1=0.622, d2=0.673, g=0.937
2/2 [==============================] - 0s 4ms/step
>10, 177/390, d1=0.568, d2=0.734, g=0.945
2/2 [==============================] - 0s 4ms/step
>10, 178/390, d1=0.654, d2=0.663, g=0.949
2/2 [==============================] - 0s 4ms/step
>10, 179/390, d1=0.624, d2=0.675, g=1.023
2/2 [==============================] - 0s 4ms/step
>10, 180/390, d1=0.502, d2=0.626, g=0.973
2/2 [==============================] - 0s 4ms/step
>10, 181/390, d1=0.573, d2=0.590, g=1.028
2/2 [==============================] - 0s 3ms/step
>10, 182/390, d1=0.625, d2=0.595, g=1.027
2/2 [==============================] - 0s 4ms/step
>10, 183/390, d1=0.491, d2=0.692, g=1.074
2/2 [==============================] - 0s 4ms/step
>10, 184/390, d1=0.580, d2=0.605, g=1.058
2/2 [==============================] - 0s 4ms/step
>10, 185/390, d1=0.579, d2=0.661, g=1.102
2/2 [==============================] - 0s 3ms/step
>10, 186/390, d1=0.629, d2=0.641, g=1.097
2/2 [==============================] - 0s 4ms/step
>10, 187/390, d1=0.533, d2=0.631, g=1.171
2/2 [==============================] - 0s 4ms/step
>10, 188/390, d1=0.678, d2=0.630, g=1.073
2/2 [==============================] - 0s 4ms/step
>10, 189/390, d1=0.680, d2=0.562, g=1.113
2/2 [==============================] - 0s 4ms/step
>10, 190/390, d1=0.695, d2=0.538, g=1.173
2/2 [==============================] - 0s 4ms/step
>10, 191/390, d1=0.671, d2=0.519, g=1.167
2/2 [==============================] - 0s 4ms/step
>10, 192/390, d1=0.603, d2=0.509, g=1.201
2/2 [==============================] - 0s 4ms/step
>10, 193/390, d1=0.536, d2=0.484, g=1.252
2/2 [==============================] - 0s 5ms/step
>10, 194/390, d1=0.596, d2=0.478, g=1.141
2/2 [==============================] - 0s 3ms/step
>10, 195/390, d1=0.618, d2=0.531, g=1.173
```

```
2/2 [==============================] - 0s 4ms/step
>10, 196/390, d1=0.485, d2=0.508, g=1.133
2/2 [==============================] - 0s 4ms/step
>10, 197/390, d1=0.488, d2=0.613, g=1.134
2/2 [==============================] - 0s 4ms/step
>10, 198/390, d1=0.420, d2=0.571, g=1.106
2/2 [==============================] - 0s 3ms/step
>10, 199/390, d1=0.555, d2=0.654, g=1.087
2/2 [==============================] - 0s 4ms/step
>10, 200/390, d1=0.533, d2=0.592, g=1.031
2/2 [==============================] - 0s 4ms/step
>10, 201/390, d1=0.505, d2=0.666, g=1.011
2/2 [==============================] - 0s 4ms/step
>10, 202/390, d1=0.494, d2=0.630, g=1.103
2/2 [==============================] - 0s 4ms/step
>10, 203/390, d1=0.494, d2=0.602, g=1.044
2/2 [==============================] - 0s 4ms/step
>10, 204/390, d1=0.477, d2=0.613, g=1.055
2/2 [==============================] - 0s 4ms/step
>10, 205/390, d1=0.534, d2=0.645, g=1.056
2/2 [==============================] - 0s 4ms/step
>10, 206/390, d1=0.572, d2=0.623, g=1.040
2/2 [==============================] - 0s 5ms/step
>10, 207/390, d1=0.646, d2=0.657, g=0.993
2/2 [==============================] - 0s 4ms/step
>10, 208/390, d1=0.584, d2=0.636, g=1.054
2/2 [==============================] - 0s 5ms/step
>10, 209/390, d1=0.590, d2=0.668, g=1.012
2/2 [==============================] - 0s 5ms/step
>10, 210/390, d1=0.547, d2=0.616, g=1.182
2/2 [==============================] - 0s 4ms/step
>10, 211/390, d1=0.628, d2=0.559, g=1.246
2/2 [==============================] - 0s 4ms/step
>10, 212/390, d1=0.659, d2=0.527, g=1.269
2/2 [==============================] - 0s 3ms/step
>10, 213/390, d1=0.649, d2=0.508, g=1.307
2/2 [==============================] - 0s 4ms/step
>10, 214/390, d1=0.584, d2=0.469, g=1.272
2/2 [==============================] - 0s 4ms/step
>10, 215/390, d1=0.588, d2=0.582, g=1.291
2/2 [==============================] - 0s 3ms/step
>10, 216/390, d1=0.480, d2=0.548, g=1.258
2/2 [==============================] - 0s 4ms/step
>10, 217/390, d1=0.591, d2=0.525, g=1.257
2/2 [==============================] - 0s 4ms/step
>10, 218/390, d1=0.528, d2=0.579, g=1.246
2/2 [==============================] - 0s 4ms/step
>10, 219/390, d1=0.714, d2=0.557, g=1.189
```

```
2/2 [==============================] - 0s 4ms/step
>10, 220/390, d1=0.565, d2=0.643, g=1.248
2/2 [==============================] - 0s 4ms/step
>10, 221/390, d1=0.642, d2=0.506, g=1.210
2/2 [==============================] - 0s 4ms/step
>10, 222/390, d1=0.585, d2=0.572, g=1.231
2/2 [==============================] - 0s 4ms/step
>10, 223/390, d1=0.636, d2=0.552, g=1.285
2/2 [==============================] - 0s 4ms/step
>10, 224/390, d1=0.685, d2=0.464, g=1.276
2/2 [==============================] - 0s 4ms/step
>10, 225/390, d1=0.588, d2=0.548, g=1.252
2/2 [==============================] - 0s 4ms/step
>10, 226/390, d1=0.578, d2=0.457, g=1.296
2/2 [==============================] - 0s 4ms/step
>10, 227/390, d1=0.659, d2=0.515, g=1.333
2/2 [==============================] - 0s 3ms/step
>10, 228/390, d1=0.546, d2=0.456, g=1.301
2/2 [==============================] - 0s 4ms/step
>10, 229/390, d1=0.517, d2=0.463, g=1.297
2/2 [==============================] - 0s 4ms/step
>10, 230/390, d1=0.608, d2=0.559, g=1.290
2/2 [==============================] - 0s 4ms/step
>10, 231/390, d1=0.533, d2=0.623, g=1.176
2/2 [==============================] - 0s 4ms/step
>10, 232/390, d1=0.539, d2=0.635, g=1.240
2/2 [==============================] - 0s 4ms/step
>10, 233/390, d1=0.577, d2=0.544, g=1.236
2/2 [==============================] - 0s 4ms/step
>10, 234/390, d1=0.623, d2=0.611, g=1.308
2/2 [==============================] - 0s 4ms/step
>10, 235/390, d1=0.696, d2=0.650, g=1.280
2/2 [==============================] - 0s 4ms/step
>10, 236/390, d1=0.622, d2=0.521, g=1.303
2/2 [==============================] - 0s 4ms/step
>10, 237/390, d1=0.459, d2=0.483, g=1.332
2/2 [==============================] - 0s 4ms/step
>10, 238/390, d1=0.552, d2=0.571, g=1.305
2/2 [==============================] - 0s 4ms/step
>10, 239/390, d1=0.413, d2=0.510, g=1.376
2/2 [==============================] - 0s 4ms/step
>10, 240/390, d1=0.473, d2=0.524, g=1.316
2/2 [==============================] - 0s 4ms/step
>10, 241/390, d1=0.653, d2=0.645, g=1.430
2/2 [==============================] - 0s 4ms/step
>10, 242/390, d1=0.678, d2=0.650, g=1.507
2/2 [==============================] - 0s 3ms/step
>10, 243/390, d1=0.827, d2=0.431, g=1.332
```

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2/2 [==============================] - 0s 3ms/step
>10, 244/390, d1=0.656, d2=0.496, g=1.424
2/2 [==============================] - 0s 5ms/step
>10, 245/390, d1=0.613, d2=0.509, g=1.442
2/2 [==============================] - 0s 4ms/step
>10, 246/390, d1=0.671, d2=0.486, g=1.515
2/2 [==============================] - 0s 4ms/step
>10, 247/390, d1=0.611, d2=0.455, g=1.556
2/2 [==============================] - 0s 4ms/step
>10, 248/390, d1=0.624, d2=0.535, g=1.437
2/2 [==============================] - 0s 4ms/step
>10, 249/390, d1=0.628, d2=0.589, g=1.305
2/2 [==============================] - 0s 4ms/step
>10, 250/390, d1=0.514, d2=0.607, g=1.438
2/2 [==============================] - 0s 4ms/step
>10, 251/390, d1=0.705, d2=0.557, g=1.310
2/2 [==============================] - 0s 4ms/step
>10, 252/390, d1=0.809, d2=0.637, g=1.253
2/2 [==============================] - 0s 4ms/step
>10, 253/390, d1=0.884, d2=0.655, g=1.306
2/2 [==============================] - 0s 4ms/step
>10, 254/390, d1=0.775, d2=0.496, g=1.309
2/2 [==============================] - 0s 4ms/step
>10, 255/390, d1=0.816, d2=0.516, g=1.413
2/2 [==============================] - 0s 4ms/step
>10, 256/390, d1=0.815, d2=0.463, g=1.412
2/2 [==============================] - 0s 4ms/step
>10, 257/390, d1=0.755, d2=0.485, g=1.404
2/2 [==============================] - 0s 4ms/step
>10, 258/390, d1=0.647, d2=0.479, g=1.528
2/2 [==============================] - 0s 4ms/step
>10, 259/390, d1=0.625, d2=0.365, g=1.610
2/2 [==============================] - 0s 4ms/step
>10, 260/390, d1=0.420, d2=0.385, g=1.496
2/2 [==============================] - 0s 4ms/step
>10, 261/390, d1=0.372, d2=0.479, g=1.430
2/2 [==============================] - 0s 3ms/step
>10, 262/390, d1=0.414, d2=0.722, g=1.384
2/2 [==============================] - 0s 5ms/step
>10, 263/390, d1=0.494, d2=0.526, g=1.343
2/2 [==============================] - 0s 4ms/step
>10, 264/390, d1=0.624, d2=0.579, g=1.234
2/2 [==============================] - 0s 3ms/step
>10, 265/390, d1=0.545, d2=0.570, g=1.302
2/2 [==============================] - 0s 4ms/step
>10, 266/390, d1=0.608, d2=0.629, g=1.315
2/2 [==============================] - 0s 4ms/step
>10, 267/390, d1=0.558, d2=0.517, g=1.336
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2/2 [==============================] - 0s 4ms/step
>10, 268/390, d1=0.567, d2=0.555, g=1.253
2/2 [==============================] - 0s 4ms/step
>10, 269/390, d1=0.655, d2=0.587, g=1.182
2/2 [==============================] - 0s 4ms/step
>10, 270/390, d1=0.557, d2=0.670, g=1.295
2/2 [==============================] - 0s 4ms/step
>10, 271/390, d1=0.613, d2=0.481, g=1.365
2/2 [==============================] - 0s 4ms/step
>10, 272/390, d1=0.674, d2=0.484, g=1.278
2/2 [==============================] - 0s 4ms/step
>10, 273/390, d1=0.656, d2=0.566, g=1.197
2/2 [==============================] - 0s 4ms/step
>10, 274/390, d1=0.704, d2=0.539, g=1.249
2/2 [==============================] - 0s 4ms/step
>10, 275/390, d1=0.554, d2=0.603, g=1.278
2/2 [==============================] - 0s 4ms/step
>10, 276/390, d1=0.610, d2=0.438, g=1.273
2/2 [==============================] - 0s 4ms/step
>10, 277/390, d1=0.598, d2=0.618, g=1.247
2/2 [==============================] - 0s 4ms/step
>10, 278/390, d1=0.513, d2=0.583, g=1.324
2/2 [==============================] - 0s 3ms/step
>10, 279/390, d1=0.604, d2=0.518, g=1.339
2/2 [==============================] - 0s 4ms/step
>10, 280/390, d1=0.779, d2=0.543, g=1.224
2/2 [==============================] - 0s 4ms/step
>10, 281/390, d1=0.654, d2=0.790, g=1.384
2/2 [==============================] - 0s 4ms/step
>10, 282/390, d1=0.789, d2=0.506, g=1.346
2/2 [==============================] - 0s 4ms/step
>10, 283/390, d1=0.928, d2=0.730, g=1.427
2/2 [==============================] - 0s 4ms/step
>10, 284/390, d1=0.971, d2=0.529, g=1.452
2/2 [==============================] - 0s 4ms/step
>10, 285/390, d1=0.914, d2=0.478, g=1.327
2/2 [==============================] - 0s 4ms/step
>10, 286/390, d1=0.814, d2=0.574, g=1.312
2/2 [==============================] - 0s 4ms/step
>10, 287/390, d1=0.884, d2=0.473, g=1.336
2/2 [==============================] - 0s 5ms/step
>10, 288/390, d1=0.775, d2=0.460, g=1.232
2/2 [==============================] - 0s 4ms/step
>10, 289/390, d1=0.739, d2=0.499, g=1.188
2/2 [==============================] - 0s 4ms/step
>10, 290/390, d1=0.620, d2=0.564, g=1.157
2/2 [==============================] - 0s 4ms/step
>10, 291/390, d1=0.653, d2=0.549, g=1.070
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2/2 [==============================] - 0s 4ms/step
>10, 292/390, d1=0.705, d2=0.519, g=1.079
2/2 [==============================] - 0s 4ms/step
>10, 293/390, d1=0.765, d2=0.558, g=0.988
2/2 [==============================] - 0s 4ms/step
>10, 294/390, d1=0.534, d2=0.595, g=0.959
2/2 [==============================] - 0s 4ms/step
>10, 295/390, d1=0.630, d2=0.604, g=1.001
2/2 [==============================] - 0s 3ms/step
>10, 296/390, d1=0.596, d2=0.541, g=0.959
2/2 [==============================] - 0s 4ms/step
>10, 297/390, d1=0.527, d2=0.571, g=0.988
2/2 [==============================] - 0s 4ms/step
>10, 298/390, d1=0.438, d2=0.540, g=1.035
2/2 [==============================] - 0s 4ms/step
>10, 299/390, d1=0.493, d2=0.526, g=1.011
2/2 [==============================] - 0s 4ms/step
>10, 300/390, d1=0.424, d2=0.524, g=1.016
2/2 [==============================] - 0s 4ms/step
>10, 301/390, d1=0.468, d2=0.549, g=1.068
2/2 [==============================] - 0s 4ms/step
>10, 302/390, d1=0.419, d2=0.534, g=1.043
2/2 [==============================] - 0s 4ms/step
>10, 303/390, d1=0.329, d2=0.501, g=1.065
2/2 [==============================] - 0s 4ms/step
>10, 304/390, d1=0.428, d2=0.540, g=1.083
2/2 [==============================] - 0s 4ms/step
>10, 305/390, d1=0.395, d2=0.545, g=1.050
2/2 [==============================] - 0s 4ms/step
>10, 306/390, d1=0.366, d2=0.553, g=1.044
2/2 [==============================] - 0s 4ms/step
>10, 307/390, d1=0.323, d2=0.569, g=1.053
2/2 [==============================] - 0s 4ms/step
>10, 308/390, d1=0.330, d2=0.557, g=1.111
2/2 [==============================] - 0s 4ms/step
>10, 309/390, d1=0.379, d2=0.584, g=1.127
2/2 [==============================] - 0s 4ms/step
>10, 310/390, d1=0.431, d2=0.532, g=1.187
2/2 [==============================] - 0s 3ms/step
>10, 311/390, d1=0.379, d2=0.500, g=1.182
2/2 [==============================] - 0s 3ms/step
>10, 312/390, d1=0.337, d2=0.529, g=1.247
2/2 [==============================] - 0s 4ms/step
>10, 313/390, d1=0.433, d2=0.519, g=1.325
2/2 [==============================] - 0s 4ms/step
>10, 314/390, d1=0.360, d2=0.504, g=1.415
2/2 [==============================] - 0s 4ms/step
>10, 315/390, d1=0.391, d2=0.488, g=1.678
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2/2 [==============================] - 0s 4ms/step
>10, 316/390, d1=0.542, d2=0.412, g=1.879
2/2 [==============================] - 0s 4ms/step
>10, 317/390, d1=0.520, d2=0.357, g=1.741
2/2 [==============================] - 0s 4ms/step
>10, 318/390, d1=0.460, d2=0.434, g=1.617
2/2 [==============================] - 0s 4ms/step
>10, 319/390, d1=0.465, d2=0.434, g=1.591
2/2 [==============================] - 0s 4ms/step
>10, 320/390, d1=0.505, d2=0.509, g=1.446
2/2 [==============================] - 0s 4ms/step
>10, 321/390, d1=0.509, d2=0.639, g=1.425
2/2 [==============================] - 0s 4ms/step
>10, 322/390, d1=0.619, d2=0.630, g=1.290
2/2 [==============================] - 0s 4ms/step
>10, 323/390, d1=0.709, d2=0.747, g=1.140
2/2 [==============================] - 0s 4ms/step
>10, 324/390, d1=0.669, d2=0.875, g=1.197
2/2 [==============================] - 0s 4ms/step
>10, 325/390, d1=0.855, d2=0.789, g=1.195
2/2 [==============================] - 0s 5ms/step
>10, 326/390, d1=0.780, d2=0.689, g=1.272
2/2 [==============================] - 0s 4ms/step
>10, 327/390, d1=0.730, d2=0.494, g=1.309
2/2 [==============================] - 0s 4ms/step
>10, 328/390, d1=0.661, d2=0.483, g=1.257
2/2 [==============================] - 0s 4ms/step
>10, 329/390, d1=0.643, d2=0.529, g=1.239
2/2 [==============================] - 0s 4ms/step
>10, 330/390, d1=0.543, d2=0.567, g=1.158
2/2 [==============================] - 0s 4ms/step
>10, 331/390, d1=0.421, d2=0.535, g=1.235
2/2 [==============================] - 0s 4ms/step
>10, 332/390, d1=0.392, d2=0.552, g=1.318
2/2 [==============================] - 0s 4ms/step
>10, 333/390, d1=0.478, d2=0.519, g=1.291
2/2 [==============================] - 0s 5ms/step
>10, 334/390, d1=0.376, d2=0.489, g=1.403
2/2 [==============================] - 0s 4ms/step
>10, 335/390, d1=0.409, d2=0.450, g=1.364
2/2 [==============================] - 0s 4ms/step
>10, 336/390, d1=0.472, d2=0.494, g=1.408
2/2 [==============================] - 0s 4ms/step
>10, 337/390, d1=0.389, d2=0.566, g=1.526
2/2 [==============================] - 0s 5ms/step
>10, 338/390, d1=0.413, d2=0.489, g=1.450
2/2 [==============================] - 0s 4ms/step
>10, 339/390, d1=0.476, d2=0.478, g=1.364
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2/2 [==============================] - 0s 4ms/step
>10, 340/390, d1=0.491, d2=0.568, g=1.313
2/2 [==============================] - 0s 4ms/step
>10, 341/390, d1=0.413, d2=0.584, g=1.373
2/2 [==============================] - 0s 5ms/step
>10, 342/390, d1=0.467, d2=0.529, g=1.389
2/2 [==============================] - 0s 5ms/step
>10, 343/390, d1=0.648, d2=0.473, g=1.323
2/2 [==============================] - 0s 4ms/step
>10, 344/390, d1=0.578, d2=0.549, g=1.189
2/2 [==============================] - 0s 4ms/step
>10, 345/390, d1=0.433, d2=0.566, g=1.278
2/2 [==============================] - 0s 4ms/step
>10, 346/390, d1=0.606, d2=0.537, g=1.319
2/2 [==============================] - 0s 4ms/step
>10, 347/390, d1=0.594, d2=0.496, g=1.283
2/2 [==============================] - 0s 4ms/step
>10, 348/390, d1=0.519, d2=0.450, g=1.238
2/2 [==============================] - 0s 4ms/step
>10, 349/390, d1=0.517, d2=0.573, g=1.240
2/2 [==============================] - 0s 4ms/step
>10, 350/390, d1=0.615, d2=0.578, g=1.277
2/2 [==============================] - 0s 4ms/step
>10, 351/390, d1=0.591, d2=0.546, g=1.261
2/2 [==============================] - 0s 4ms/step
>10, 352/390, d1=0.571, d2=0.589, g=1.228
2/2 [==============================] - 0s 4ms/step
>10, 353/390, d1=0.471, d2=0.570, g=1.416
2/2 [==============================] - 0s 4ms/step
>10, 354/390, d1=0.663, d2=0.599, g=1.301
2/2 [==============================] - 0s 4ms/step
>10, 355/390, d1=0.554, d2=0.674, g=1.511
2/2 [==============================] - 0s 4ms/step
>10, 356/390, d1=0.683, d2=0.445, g=1.571
2/2 [==============================] - 0s 4ms/step
>10, 357/390, d1=0.833, d2=0.519, g=1.421
2/2 [==============================] - 0s 3ms/step
>10, 358/390, d1=0.672, d2=0.637, g=1.497
2/2 [==============================] - 0s 4ms/step
>10, 359/390, d1=0.699, d2=0.555, g=1.408
2/2 [==============================] - 0s 4ms/step
>10, 360/390, d1=0.700, d2=0.499, g=1.341
2/2 [==============================] - 0s 4ms/step
>10, 361/390, d1=0.575, d2=0.579, g=1.362
2/2 [==============================] - 0s 4ms/step
>10, 362/390, d1=0.648, d2=0.447, g=1.436
2/2 [==============================] - 0s 4ms/step
>10, 363/390, d1=0.562, d2=0.399, g=1.339
```

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2/2 [==============================] - 0s 4ms/step
>10, 364/390, d1=0.705, d2=0.483, g=1.356
2/2 [==============================] - 0s 4ms/step
>10, 365/390, d1=0.650, d2=0.496, g=1.309
2/2 [==============================] - 0s 4ms/step
>10, 366/390, d1=0.522, d2=0.522, g=1.311
2/2 [==============================] - 0s 4ms/step
>10, 367/390, d1=0.665, d2=0.409, g=1.358
2/2 [==============================] - 0s 4ms/step
>10, 368/390, d1=0.480, d2=0.452, g=1.320
2/2 [==============================] - 0s 4ms/step
>10, 369/390, d1=0.586, d2=0.574, g=1.343
2/2 [==============================] - 0s 3ms/step
>10, 370/390, d1=0.559, d2=0.562, g=1.333
2/2 [==============================] - 0s 4ms/step
>10, 371/390, d1=0.511, d2=0.604, g=1.212
2/2 [==============================] - 0s 4ms/step
>10, 372/390, d1=0.593, d2=0.712, g=1.352
2/2 [==============================] - 0s 4ms/step
>10, 373/390, d1=0.578, d2=0.444, g=1.380
2/2 [==============================] - 0s 4ms/step
>10, 374/390, d1=0.638, d2=0.429, g=1.306
2/2 [==============================] - 0s 5ms/step
>10, 375/390, d1=0.501, d2=0.508, g=1.434
2/2 [==============================] - 0s 4ms/step
>10, 376/390, d1=0.646, d2=0.428, g=1.349
2/2 [==============================] - 0s 4ms/step
>10, 377/390, d1=0.438, d2=0.446, g=1.368
2/2 [==============================] - 0s 4ms/step
>10, 378/390, d1=0.578, d2=0.520, g=1.265
2/2 [==============================] - 0s 3ms/step
>10, 379/390, d1=0.511, d2=0.752, g=1.163
2/2 [==============================] - 0s 4ms/step
>10, 380/390, d1=0.541, d2=0.512, g=1.105
2/2 [==============================] - 0s 4ms/step
>10, 381/390, d1=0.583, d2=0.596, g=1.137
2/2 [==============================] - 0s 4ms/step
>10, 382/390, d1=0.596, d2=0.626, g=1.115
2/2 [==============================] - 0s 4ms/step
>10, 383/390, d1=0.477, d2=0.560, g=1.095
2/2 [==============================] - 0s 4ms/step
>10, 384/390, d1=0.435, d2=0.580, g=1.146
2/2 [==============================] - 0s 4ms/step
>10, 385/390, d1=0.492, d2=0.596, g=1.092
2/2 [==============================] - 0s 4ms/step
>10, 386/390, d1=0.512, d2=0.546, g=1.142
2/2 [==============================] - 0s 3ms/step
>10, 387/390, d1=0.502, d2=0.541, g=1.192
```

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2/2 [==============================] - 0s 4ms/step
>10, 388/390, d1=0.545, d2=0.569, g=1.190
2/2 [==============================] - 0s 4ms/step
>10, 389/390, d1=0.650, d2=0.546, g=1.185
2/2 [==============================] - 0s 3ms/step
>10, 390/390, d1=0.619, d2=0.685, g=1.160
2/2 [==============================] - 0s 4ms/step
>12, 1/390, d1=0.552, d2=0.599, g=1.164
2/2 [==============================] - 0s 4ms/step
>12, 2/390, d1=0.593, d2=0.552, g=1.089
2/2 [==============================] - 0s 3ms/step
>12, 3/390, d1=0.643, d2=0.779, g=1.225
2/2 [==============================] - 0s 4ms/step
>12, 4/390, d1=0.771, d2=0.568, g=1.301
2/2 [==============================] - 0s 4ms/step
>12, 5/390, d1=0.810, d2=0.562, g=1.221
2/2 [==============================] - 0s 4ms/step
>12, 6/390, d1=0.828, d2=0.589, g=1.261
2/2 [==============================] - 0s 4ms/step
>12, 7/390, d1=0.879, d2=0.655, g=1.264
2/2 [==============================] - 0s 3ms/step
>12, 8/390, d1=0.735, d2=0.539, g=1.380
2/2 [==============================] - 0s 4ms/step
>12, 9/390, d1=0.851, d2=0.465, g=1.322
2/2 [==============================] - 0s 4ms/step
>12, 10/390, d1=0.949, d2=0.483, g=1.311
2/2 [==============================] - 0s 3ms/step
>12, 11/390, d1=0.766, d2=0.550, g=1.336
2/2 [==============================] - 0s 4ms/step
>12, 12/390, d1=0.913, d2=0.451, g=1.469
2/2 [==============================] - 0s 4ms/step
>12, 13/390, d1=0.765, d2=0.332, g=1.573
2/2 [==============================] - 0s 4ms/step
>12, 14/390, d1=0.725, d2=0.340, g=1.526
2/2 [==============================] - 0s 3ms/step
>12, 15/390, d1=0.738, d2=0.411, g=1.543
2/2 [==============================] - 0s 3ms/step
>12, 16/390, d1=0.590, d2=0.382, g=1.315
2/2 [==============================] - 0s 3ms/step
>12, 17/390, d1=0.724, d2=0.476, g=1.340
2/2 [==============================] - 0s 3ms/step
>12, 18/390, d1=0.612, d2=0.443, g=1.219
2/2 [==============================] - 0s 4ms/step
>12, 19/390, d1=0.562, d2=0.546, g=1.124
2/2 [==============================] - 0s 4ms/step
>12, 20/390, d1=0.447, d2=0.504, g=1.115
2/2 [==============================] - 0s 4ms/step
>12, 21/390, d1=0.492, d2=0.575, g=1.118
```

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2/2 [==============================] - 0s 4ms/step
>12, 22/390, d1=0.559, d2=0.546, g=1.099
2/2 [==============================] - 0s 3ms/step
>12, 23/390, d1=0.620, d2=0.502, g=1.030
2/2 [==============================] - 0s 4ms/step
>12, 24/390, d1=0.527, d2=0.583, g=1.073
2/2 [==============================] - 0s 4ms/step
>12, 25/390, d1=0.589, d2=0.529, g=1.052
2/2 [==============================] - 0s 3ms/step
>12, 26/390, d1=0.550, d2=0.575, g=1.046
2/2 [==============================] - 0s 4ms/step
>12, 27/390, d1=0.573, d2=0.612, g=1.114
2/2 [==============================] - 0s 4ms/step
>12, 28/390, d1=0.577, d2=0.568, g=1.061
2/2 [==============================] - 0s 4ms/step
>12, 29/390, d1=0.578, d2=0.603, g=1.181
2/2 [==============================] - 0s 4ms/step
>12, 30/390, d1=0.629, d2=0.536, g=1.224
2/2 [==============================] - 0s 4ms/step
>12, 31/390, d1=0.575, d2=0.540, g=1.188
2/2 [==============================] - 0s 4ms/step
>12, 32/390, d1=0.530, d2=0.460, g=1.266
2/2 [==============================] - 0s 4ms/step
>12, 33/390, d1=0.544, d2=0.443, g=1.245
2/2 [==============================] - 0s 4ms/step
>12, 34/390, d1=0.489, d2=0.485, g=1.293
2/2 [==============================] - 0s 4ms/step
>12, 35/390, d1=0.643, d2=0.514, g=1.175
2/2 [==============================] - 0s 5ms/step
>12, 36/390, d1=0.515, d2=0.519, g=1.162
2/2 [==============================] - 0s 4ms/step
>12, 37/390, d1=0.415, d2=0.557, g=1.160
2/2 [==============================] - 0s 4ms/step
>12, 38/390, d1=0.400, d2=0.564, g=1.226
2/2 [==============================] - 0s 4ms/step
>12, 39/390, d1=0.577, d2=0.566, g=1.027
2/2 [==============================] - 0s 4ms/step
>12, 40/390, d1=0.373, d2=0.670, g=1.066
2/2 [==============================] - 0s 4ms/step
>12, 41/390, d1=0.548, d2=0.598, g=1.088
2/2 [==============================] - 0s 4ms/step
>12, 42/390, d1=0.508, d2=0.636, g=1.080
2/2 [==============================] - 0s 4ms/step
>12, 43/390, d1=0.533, d2=0.634, g=1.063
2/2 [==============================] - 0s 4ms/step
>12, 44/390, d1=0.495, d2=0.576, g=1.264
2/2 [==============================] - 0s 4ms/step
>12, 45/390, d1=0.535, d2=0.484, g=1.360
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2/2 [==============================] - 0s 4ms/step
>12, 46/390, d1=0.637, d2=0.429, g=1.434
2/2 [==============================] - 0s 4ms/step
>12, 47/390, d1=0.469, d2=0.391, g=1.397
2/2 [==============================] - 0s 4ms/step
>12, 48/390, d1=0.449, d2=0.508, g=1.493
2/2 [==============================] - 0s 4ms/step
>12, 49/390, d1=0.470, d2=0.465, g=1.509
2/2 [==============================] - 0s 5ms/step
>12, 50/390, d1=0.492, d2=0.514, g=1.398
2/2 [==============================] - 0s 4ms/step
>12, 51/390, d1=0.474, d2=0.533, g=1.304
2/2 [==============================] - 0s 3ms/step
>12, 52/390, d1=0.446, d2=0.526, g=1.404
2/2 [==============================] - 0s 4ms/step
>12, 53/390, d1=0.690, d2=0.527, g=1.329
2/2 [==============================] - 0s 4ms/step
>12, 54/390, d1=0.711, d2=0.565, g=1.332
2/2 [==============================] - 0s 4ms/step
>12, 55/390, d1=0.579, d2=0.519, g=1.356
2/2 [==============================] - 0s 4ms/step
>12, 56/390, d1=0.618, d2=0.577, g=1.502
2/2 [==============================] - 0s 4ms/step
>12, 57/390, d1=0.844, d2=0.567, g=1.560
2/2 [==============================] - 0s 4ms/step
>12, 58/390, d1=0.760, d2=0.426, g=1.452
2/2 [==============================] - 0s 4ms/step
>12, 59/390, d1=0.705, d2=0.477, g=1.380
2/2 [==============================] - 0s 4ms/step
>12, 60/390, d1=0.687, d2=0.433, g=1.525
2/2 [==============================] - 0s 4ms/step
>12, 61/390, d1=0.629, d2=0.439, g=1.563
2/2 [==============================] - 0s 3ms/step
>12, 62/390, d1=0.529, d2=0.321, g=1.610
2/2 [==============================] - 0s 4ms/step
>12, 63/390, d1=0.449, d2=0.346, g=1.526
2/2 [==============================] - 0s 4ms/step
>12, 64/390, d1=0.408, d2=0.412, g=1.463
2/2 [==============================] - 0s 4ms/step
>12, 65/390, d1=0.375, d2=0.428, g=1.405
2/2 [==============================] - 0s 4ms/step
>12, 66/390, d1=0.365, d2=0.473, g=1.357
2/2 [==============================] - 0s 4ms/step
>12, 67/390, d1=0.335, d2=0.462, g=1.360
2/2 [==============================] - 0s 4ms/step
>12, 68/390, d1=0.524, d2=0.582, g=1.150
2/2 [==============================] - 0s 4ms/step
>12, 69/390, d1=0.430, d2=0.681, g=1.089
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2/2 [==============================] - 0s 4ms/step
>12, 70/390, d1=0.592, d2=0.773, g=1.106
2/2 [==============================] - 0s 4ms/step
>12, 71/390, d1=0.666, d2=0.758, g=1.070
2/2 [==============================] - 0s 3ms/step
>12, 72/390, d1=0.647, d2=0.866, g=1.056
2/2 [==============================] - 0s 4ms/step
>12, 73/390, d1=0.728, d2=0.749, g=1.071
2/2 [==============================] - 0s 4ms/step
>12, 74/390, d1=0.775, d2=0.633, g=1.104
2/2 [==============================] - 0s 4ms/step
>12, 75/390, d1=0.702, d2=0.589, g=1.169
2/2 [==============================] - 0s 4ms/step
>12, 76/390, d1=0.662, d2=0.487, g=1.139
2/2 [==============================] - 0s 4ms/step
>12, 77/390, d1=0.510, d2=0.490, g=1.205
2/2 [==============================] - 0s 4ms/step
>12, 78/390, d1=0.411, d2=0.453, g=1.305
2/2 [==============================] - 0s 4ms/step
>12, 79/390, d1=0.562, d2=0.502, g=1.186
2/2 [==============================] - 0s 4ms/step
>12, 80/390, d1=0.321, d2=0.498, g=1.229
2/2 [==============================] - 0s 4ms/step
>12, 81/390, d1=0.367, d2=0.540, g=1.258
2/2 [==============================] - 0s 4ms/step
>12, 82/390, d1=0.318, d2=0.500, g=1.264
2/2 [==============================] - 0s 4ms/step
>12, 83/390, d1=0.220, d2=0.518, g=1.261
2/2 [==============================] - 0s 4ms/step
>12, 84/390, d1=0.314, d2=0.541, g=1.293
2/2 [==============================] - 0s 4ms/step
>12, 85/390, d1=0.441, d2=0.492, g=1.243
2/2 [==============================] - 0s 3ms/step
>12, 86/390, d1=0.439, d2=0.552, g=1.225
2/2 [==============================] - 0s 4ms/step
>12, 87/390, d1=0.588, d2=0.569, g=1.228
2/2 [==============================] - 0s 5ms/step
>12, 88/390, d1=0.436, d2=0.528, g=1.335
2/2 [==============================] - 0s 4ms/step
>12, 89/390, d1=0.394, d2=0.516, g=1.357
2/2 [==============================] - 0s 4ms/step
>12, 90/390, d1=0.576, d2=0.530, g=1.359
2/2 [==============================] - 0s 4ms/step
>12, 91/390, d1=0.607, d2=0.573, g=1.321
2/2 [==============================] - 0s 4ms/step
>12, 92/390, d1=0.588, d2=0.524, g=1.405
2/2 [==============================] - 0s 4ms/step
>12, 93/390, d1=0.585, d2=0.460, g=1.374
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2/2 [==============================] - 0s 4ms/step
>12, 94/390, d1=0.554, d2=0.460, g=1.400
2/2 [==============================] - 0s 4ms/step
>12, 95/390, d1=0.507, d2=0.490, g=1.494
2/2 [==============================] - 0s 4ms/step
>12, 96/390, d1=0.518, d2=0.395, g=1.478
2/2 [==============================] - 0s 5ms/step
>12, 97/390, d1=0.533, d2=0.441, g=1.330
2/2 [==============================] - 0s 4ms/step
>12, 98/390, d1=0.466, d2=0.453, g=1.521
2/2 [==============================] - 0s 4ms/step
>12, 99/390, d1=0.436, d2=0.546, g=1.431
2/2 [==============================] - 0s 4ms/step
>12, 100/390, d1=0.524, d2=0.484, g=1.456
2/2 [==============================] - 0s 4ms/step
>12, 101/390, d1=0.593, d2=0.506, g=1.485
2/2 [==============================] - 0s 4ms/step
>12, 102/390, d1=0.644, d2=0.422, g=1.318
2/2 [==============================] - 0s 4ms/step
>12, 103/390, d1=0.554, d2=0.559, g=1.443
2/2 [==============================] - 0s 4ms/step
>12, 104/390, d1=0.587, d2=0.458, g=1.443
2/2 [==============================] - 0s 4ms/step
>12, 105/390, d1=0.502, d2=0.433, g=1.544
2/2 [==============================] - 0s 4ms/step
>12, 106/390, d1=0.552, d2=0.449, g=1.428
2/2 [==============================] - 0s 4ms/step
>12, 107/390, d1=0.561, d2=0.539, g=1.450
2/2 [==============================] - 0s 3ms/step
>12, 108/390, d1=0.564, d2=0.533, g=1.532
2/2 [==============================] - 0s 4ms/step
>12, 109/390, d1=0.599, d2=0.448, g=1.619
2/2 [==============================] - 0s 4ms/step
>12, 110/390, d1=0.646, d2=0.443, g=1.571
2/2 [==============================] - 0s 4ms/step
>12, 111/390, d1=0.611, d2=0.445, g=1.562
2/2 [==============================] - 0s 4ms/step
>12, 112/390, d1=0.619, d2=0.475, g=1.543
2/2 [==============================] - 0s 4ms/step
>12, 113/390, d1=0.500, d2=0.454, g=1.551
2/2 [==============================] - 0s 4ms/step
>12, 114/390, d1=0.561, d2=0.527, g=1.688
2/2 [==============================] - 0s 4ms/step
>12, 115/390, d1=0.466, d2=0.558, g=1.479
2/2 [==============================] - 0s 4ms/step
>12, 116/390, d1=0.571, d2=0.695, g=1.285
2/2 [==============================] - 0s 4ms/step
>12, 117/390, d1=0.721, d2=0.969, g=1.284
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2/2 [==============================] - 0s 4ms/step
>12, 118/390, d1=0.733, d2=0.797, g=1.130
2/2 [==============================] - 0s 4ms/step
>12, 119/390, d1=0.841, d2=1.173, g=1.568
2/2 [==============================] - 0s 4ms/step
>12, 120/390, d1=0.800, d2=0.304, g=1.633
2/2 [==============================] - 0s 4ms/step
>12, 121/390, d1=0.985, d2=0.553, g=1.500
2/2 [==============================] - 0s 4ms/step
>12, 122/390, d1=0.724, d2=0.389, g=1.458
2/2 [==============================] - 0s 4ms/step
>12, 123/390, d1=0.781, d2=0.425, g=1.340
2/2 [==============================] - 0s 3ms/step
>12, 124/390, d1=0.599, d2=0.513, g=1.308
2/2 [==============================] - 0s 4ms/step
>12, 125/390, d1=0.693, d2=0.450, g=1.313
2/2 [==============================] - 0s 4ms/step
>12, 126/390, d1=0.521, d2=0.545, g=1.297
2/2 [==============================] - 0s 4ms/step
>12, 127/390, d1=0.521, d2=0.573, g=1.169
2/2 [==============================] - 0s 4ms/step
>12, 128/390, d1=0.477, d2=0.589, g=1.268
2/2 [==============================] - 0s 4ms/step
>12, 129/390, d1=0.727, d2=0.515, g=1.062
2/2 [==============================] - 0s 4ms/step
>12, 130/390, d1=0.557, d2=0.612, g=1.016
2/2 [==============================] - 0s 4ms/step
>12, 131/390, d1=0.569, d2=0.661, g=1.085
2/2 [==============================] - 0s 4ms/step
>12, 132/390, d1=0.408, d2=0.576, g=1.148
2/2 [==============================] - 0s 4ms/step
>12, 133/390, d1=0.472, d2=0.552, g=1.297
2/2 [==============================] - 0s 4ms/step
>12, 134/390, d1=0.512, d2=0.489, g=1.344
2/2 [==============================] - 0s 4ms/step
>12, 135/390, d1=0.395, d2=0.405, g=1.420
2/2 [==============================] - 0s 4ms/step
>12, 136/390, d1=0.363, d2=0.478, g=1.316
2/2 [==============================] - 0s 4ms/step
>12, 137/390, d1=0.462, d2=0.548, g=1.337
2/2 [==============================] - 0s 4ms/step
>12, 138/390, d1=0.342, d2=0.542, g=1.555
2/2 [==============================] - 0s 3ms/step
>12, 139/390, d1=0.520, d2=0.487, g=1.565
2/2 [==============================] - 0s 4ms/step
>12, 140/390, d1=0.498, d2=0.454, g=1.504
2/2 [==============================] - 0s 4ms/step
>12, 141/390, d1=0.629, d2=0.657, g=1.589
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2/2 [==============================] - 0s 4ms/step
>12, 142/390, d1=0.660, d2=0.558, g=1.721
2/2 [==============================] - 0s 4ms/step
>12, 143/390, d1=0.824, d2=0.386, g=1.603
2/2 [==============================] - 0s 4ms/step
>12, 144/390, d1=0.753, d2=0.576, g=1.662
2/2 [==============================] - 0s 4ms/step
>12, 145/390, d1=0.702, d2=0.401, g=1.747
2/2 [==============================] - 0s 4ms/step
>12, 146/390, d1=0.725, d2=0.569, g=1.744
2/2 [==============================] - 0s 4ms/step
>12, 147/390, d1=0.720, d2=0.340, g=1.905
2/2 [==============================] - 0s 4ms/step
>12, 148/390, d1=0.602, d2=0.359, g=1.901
2/2 [==============================] - 0s 4ms/step
>12, 149/390, d1=0.498, d2=0.441, g=1.748
2/2 [==============================] - 0s 4ms/step
>12, 150/390, d1=0.566, d2=0.419, g=1.698
2/2 [==============================] - 0s 5ms/step
>12, 151/390, d1=0.589, d2=0.461, g=1.444
2/2 [==============================] - 0s 4ms/step
>12, 152/390, d1=0.591, d2=0.528, g=1.387
2/2 [==============================] - 0s 4ms/step
>12, 153/390, d1=0.613, d2=0.530, g=1.321
2/2 [==============================] - 0s 4ms/step
>12, 154/390, d1=0.496, d2=0.587, g=1.286
2/2 [==============================] - 0s 4ms/step
>12, 155/390, d1=0.629, d2=0.564, g=1.277
2/2 [==============================] - 0s 3ms/step
>12, 156/390, d1=0.639, d2=0.540, g=1.159
2/2 [==============================] - 0s 4ms/step
>12, 157/390, d1=0.777, d2=0.737, g=1.135
2/2 [==============================] - 0s 4ms/step
>12, 158/390, d1=0.632, d2=0.634, g=1.300
2/2 [==============================] - 0s 4ms/step
>12, 159/390, d1=0.748, d2=0.458, g=1.330
2/2 [==============================] - 0s 4ms/step
>12, 160/390, d1=0.754, d2=0.487, g=1.251
2/2 [==============================] - 0s 4ms/step
>12, 161/390, d1=0.692, d2=0.596, g=1.330
2/2 [==============================] - 0s 3ms/step
>12, 162/390, d1=0.647, d2=0.562, g=1.353
2/2 [==============================] - 0s 5ms/step
>12, 163/390, d1=0.745, d2=0.407, g=1.331
2/2 [==============================] - 0s 4ms/step
>12, 164/390, d1=0.577, d2=0.505, g=1.365
2/2 [==============================] - 0s 5ms/step
>12, 165/390, d1=0.586, d2=0.432, g=1.295
```

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2/2 [==============================] - 0s 4ms/step
>12, 166/390, d1=0.531, d2=0.544, g=1.276
2/2 [==============================] - 0s 3ms/step
>12, 167/390, d1=0.585, d2=0.419, g=1.187
2/2 [==============================] - 0s 4ms/step
>12, 168/390, d1=0.490, d2=0.544, g=1.150
2/2 [==============================] - 0s 3ms/step
>12, 169/390, d1=0.424, d2=0.525, g=1.154
2/2 [==============================] - 0s 4ms/step
>12, 170/390, d1=0.514, d2=0.527, g=1.162
2/2 [==============================] - 0s 4ms/step
>12, 171/390, d1=0.407, d2=0.542, g=1.189
2/2 [==============================] - 0s 4ms/step
>12, 172/390, d1=0.457, d2=0.520, g=1.160
2/2 [==============================] - 0s 4ms/step
>12, 173/390, d1=0.432, d2=0.480, g=1.207
2/2 [==============================] - 0s 3ms/step
>12, 174/390, d1=0.373, d2=0.491, g=1.188
2/2 [==============================] - 0s 4ms/step
>12, 175/390, d1=0.311, d2=0.475, g=1.269
2/2 [==============================] - 0s 4ms/step
>12, 176/390, d1=0.503, d2=0.465, g=1.219
2/2 [==============================] - 0s 4ms/step
>12, 177/390, d1=0.461, d2=0.537, g=1.163
2/2 [==============================] - 0s 4ms/step
>12, 178/390, d1=0.405, d2=0.524, g=1.217
2/2 [==============================] - 0s 4ms/step
>12, 179/390, d1=0.485, d2=0.509, g=1.200
2/2 [==============================] - 0s 4ms/step
>12, 180/390, d1=0.498, d2=0.530, g=1.282
2/2 [==============================] - 0s 4ms/step
>12, 181/390, d1=0.531, d2=0.551, g=1.350
2/2 [==============================] - 0s 4ms/step
>12, 182/390, d1=0.490, d2=0.459, g=1.251
2/2 [==============================] - 0s 4ms/step
>12, 183/390, d1=0.593, d2=0.610, g=1.291
2/2 [==============================] - 0s 4ms/step
>12, 184/390, d1=0.567, d2=0.665, g=1.305
2/2 [==============================] - 0s 4ms/step
>12, 185/390, d1=0.576, d2=0.748, g=1.464
2/2 [==============================] - 0s 4ms/step
>12, 186/390, d1=0.711, d2=0.496, g=1.525
2/2 [==============================] - 0s 4ms/step
>12, 187/390, d1=0.601, d2=0.472, g=1.511
2/2 [==============================] - 0s 5ms/step
>12, 188/390, d1=0.708, d2=0.519, g=1.533
2/2 [==============================] - 0s 4ms/step
>12, 189/390, d1=0.644, d2=0.531, g=1.505
```

```
2/2 [==============================] - 0s 4ms/step
>12, 190/390, d1=0.585, d2=0.443, g=1.831
2/2 [==============================] - 0s 5ms/step
>12, 191/390, d1=0.567, d2=0.469, g=2.037
2/2 [==============================] - 0s 4ms/step
>12, 192/390, d1=0.789, d2=0.381, g=1.988
2/2 [==============================] - 0s 4ms/step
>12, 193/390, d1=0.685, d2=0.402, g=1.969
2/2 [==============================] - 0s 4ms/step
>12, 194/390, d1=0.734, d2=0.309, g=1.990
2/2 [==============================] - 0s 4ms/step
>12, 195/390, d1=0.598, d2=0.536, g=2.153
2/2 [==============================] - 0s 4ms/step
>12, 196/390, d1=0.575, d2=0.373, g=2.007
2/2 [==============================] - 0s 4ms/step
>12, 197/390, d1=0.686, d2=0.368, g=1.505
2/2 [==============================] - 0s 4ms/step
>12, 198/390, d1=0.757, d2=0.467, g=1.348
2/2 [==============================] - 0s 4ms/step
>12, 199/390, d1=0.693, d2=0.685, g=1.450
2/2 [==============================] - 0s 4ms/step
>12, 200/390, d1=0.704, d2=0.419, g=1.492
2/2 [==============================] - 0s 4ms/step
>12, 201/390, d1=0.692, d2=0.421, g=1.536
2/2 [==============================] - 0s 4ms/step
>12, 202/390, d1=0.687, d2=0.423, g=1.507
2/2 [==============================] - 0s 4ms/step
>12, 203/390, d1=0.648, d2=0.412, g=1.530
2/2 [==============================] - 0s 3ms/step
>12, 204/390, d1=0.748, d2=0.386, g=1.557
2/2 [==============================] - 0s 4ms/step
>12, 205/390, d1=0.739, d2=0.503, g=1.454
2/2 [==============================] - 0s 4ms/step
>12, 206/390, d1=0.498, d2=0.426, g=1.655
2/2 [==============================] - 0s 4ms/step
>12, 207/390, d1=0.598, d2=0.405, g=1.649
2/2 [==============================] - 0s 4ms/step
>12, 208/390, d1=0.639, d2=0.453, g=1.499
2/2 [==============================] - 0s 4ms/step
>12, 209/390, d1=0.430, d2=0.540, g=1.430
2/2 [==============================] - 0s 4ms/step
>12, 210/390, d1=0.599, d2=0.525, g=1.391
2/2 [==============================] - 0s 5ms/step
>12, 211/390, d1=0.599, d2=0.634, g=1.284
2/2 [==============================] - 0s 4ms/step
>12, 212/390, d1=0.514, d2=0.723, g=1.312
2/2 [==============================] - 0s 3ms/step
>12, 213/390, d1=0.539, d2=0.621, g=1.103
```

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2/2 [==============================] - 0s 4ms/step
>12, 214/390, d1=0.565, d2=0.823, g=1.051
2/2 [==============================] - 0s 4ms/step
>12, 215/390, d1=0.570, d2=0.842, g=1.066
2/2 [==============================] - 0s 4ms/step
>12, 216/390, d1=0.475, d2=0.600, g=1.220
2/2 [==============================] - 0s 4ms/step
>12, 217/390, d1=0.694, d2=0.634, g=1.199
2/2 [==============================] - 0s 4ms/step
>12, 218/390, d1=0.681, d2=0.561, g=1.202
2/2 [==============================] - 0s 4ms/step
>12, 219/390, d1=0.800, d2=0.636, g=1.046
2/2 [==============================] - 0s 4ms/step
>12, 220/390, d1=0.560, d2=0.721, g=1.084
2/2 [==============================] - 0s 4ms/step
>12, 221/390, d1=0.499, d2=0.605, g=1.125
2/2 [==============================] - 0s 4ms/step
>12, 222/390, d1=0.713, d2=0.780, g=1.027
2/2 [==============================] - 0s 4ms/step
>12, 223/390, d1=0.591, d2=0.687, g=1.091
2/2 [==============================] - 0s 4ms/step
>12, 224/390, d1=0.563, d2=0.810, g=1.237
2/2 [==============================] - 0s 4ms/step
>12, 225/390, d1=0.626, d2=0.479, g=1.459
2/2 [==============================] - 0s 4ms/step
>12, 226/390, d1=0.591, d2=0.390, g=1.567
2/2 [==============================] - 0s 5ms/step
>12, 227/390, d1=0.657, d2=0.503, g=1.527
2/2 [==============================] - 0s 4ms/step
>12, 228/390, d1=0.728, d2=0.444, g=1.406
2/2 [==============================] - 0s 4ms/step
>12, 229/390, d1=0.572, d2=0.586, g=1.219
2/2 [==============================] - 0s 4ms/step
>12, 230/390, d1=0.477, d2=0.631, g=1.206
2/2 [==============================] - 0s 4ms/step
>12, 231/390, d1=0.523, d2=0.612, g=1.153
2/2 [==============================] - 0s 3ms/step
>12, 232/390, d1=0.545, d2=0.624, g=1.264
2/2 [==============================] - 0s 4ms/step
>12, 233/390, d1=0.598, d2=0.511, g=1.336
2/2 [==============================] - 0s 4ms/step
>12, 234/390, d1=0.528, d2=0.481, g=1.298
2/2 [==============================] - 0s 4ms/step
>12, 235/390, d1=0.467, d2=0.526, g=1.407
2/2 [==============================] - 0s 4ms/step
>12, 236/390, d1=0.544, d2=0.517, g=1.385
2/2 [==============================] - 0s 4ms/step
>12, 237/390, d1=0.542, d2=0.470, g=1.289
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2/2 [==============================] - 0s 4ms/step
>12, 238/390, d1=0.444, d2=0.466, g=1.284
2/2 [==============================] - 0s 4ms/step
>12, 239/390, d1=0.478, d2=0.655, g=1.393
2/2 [==============================] - 0s 4ms/step
>12, 240/390, d1=0.546, d2=0.465, g=1.402
2/2 [==============================] - 0s 4ms/step
>12, 241/390, d1=0.586, d2=0.492, g=1.362
2/2 [==============================] - 0s 4ms/step
>12, 242/390, d1=0.724, d2=0.554, g=1.364
2/2 [==============================] - 0s 3ms/step
>12, 243/390, d1=0.728, d2=0.515, g=1.472
2/2 [==============================] - 0s 3ms/step
>12, 244/390, d1=0.622, d2=0.469, g=1.582
2/2 [==============================] - 0s 4ms/step
>12, 245/390, d1=0.641, d2=0.471, g=1.721
2/2 [==============================] - 0s 4ms/step
>12, 246/390, d1=0.638, d2=0.429, g=1.611
2/2 [==============================] - 0s 4ms/step
>12, 247/390, d1=0.560, d2=0.463, g=1.810
2/2 [==============================] - 0s 4ms/step
>12, 248/390, d1=0.518, d2=0.493, g=1.741
2/2 [==============================] - 0s 4ms/step
>12, 249/390, d1=0.522, d2=0.477, g=1.675
2/2 [==============================] - 0s 4ms/step
>12, 250/390, d1=0.528, d2=0.492, g=1.712
2/2 [==============================] - 0s 4ms/step
>12, 251/390, d1=0.459, d2=0.739, g=1.735
2/2 [==============================] - 0s 4ms/step
>12, 252/390, d1=0.681, d2=0.445, g=1.379
2/2 [==============================] - 0s 4ms/step
>12, 253/390, d1=0.577, d2=0.561, g=1.312
2/2 [==============================] - 0s 4ms/step
>12, 254/390, d1=0.635, d2=0.504, g=1.288
2/2 [==============================] - 0s 4ms/step
>12, 255/390, d1=0.639, d2=0.595, g=1.278
2/2 [==============================] - 0s 4ms/step
>12, 256/390, d1=0.673, d2=0.533, g=1.191
2/2 [==============================] - 0s 4ms/step
>12, 257/390, d1=0.545, d2=0.538, g=1.341
2/2 [==============================] - 0s 4ms/step
>12, 258/390, d1=0.593, d2=0.481, g=1.295
2/2 [==============================] - 0s 4ms/step
>12, 259/390, d1=0.576, d2=0.508, g=1.341
2/2 [==============================] - 0s 4ms/step
>12, 260/390, d1=0.552, d2=0.484, g=1.310
2/2 [==============================] - 0s 4ms/step
>12, 261/390, d1=0.502, d2=0.539, g=1.228
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2/2 [==============================] - 0s 4ms/step
>12, 262/390, d1=0.434, d2=0.579, g=1.212
2/2 [==============================] - 0s 4ms/step
>12, 263/390, d1=0.446, d2=0.543, g=1.260
2/2 [==============================] - 0s 4ms/step
>12, 264/390, d1=0.628, d2=0.630, g=1.148
2/2 [==============================] - 0s 4ms/step
>12, 265/390, d1=0.511, d2=0.603, g=1.193
2/2 [==============================] - 0s 3ms/step
>12, 266/390, d1=0.679, d2=0.543, g=1.100
2/2 [==============================] - 0s 4ms/step
>12, 267/390, d1=0.585, d2=0.734, g=1.084
2/2 [==============================] - 0s 4ms/step
>12, 268/390, d1=0.546, d2=0.682, g=1.183
2/2 [==============================] - 0s 4ms/step
>12, 269/390, d1=0.714, d2=0.614, g=1.109
2/2 [==============================] - 0s 4ms/step
>12, 270/390, d1=0.571, d2=0.655, g=1.132
2/2 [==============================] - 0s 4ms/step
>12, 271/390, d1=0.590, d2=0.550, g=1.156
2/2 [==============================] - 0s 4ms/step
>12, 272/390, d1=0.656, d2=0.600, g=1.159
2/2 [==============================] - 0s 4ms/step
>12, 273/390, d1=0.738, d2=0.593, g=1.134
2/2 [==============================] - 0s 4ms/step
>12, 274/390, d1=0.600, d2=0.593, g=1.161
2/2 [==============================] - 0s 4ms/step
>12, 275/390, d1=0.738, d2=0.513, g=1.092
2/2 [==============================] - 0s 4ms/step
>12, 276/390, d1=0.680, d2=0.614, g=1.113
2/2 [==============================] - 0s 4ms/step
>12, 277/390, d1=0.639, d2=0.551, g=1.155
2/2 [==============================] - 0s 4ms/step
>12, 278/390, d1=0.702, d2=0.622, g=1.128
2/2 [==============================] - 0s 4ms/step
>12, 279/390, d1=0.611, d2=0.547, g=1.183
2/2 [==============================] - 0s 4ms/step
>12, 280/390, d1=0.687, d2=0.524, g=1.139
2/2 [==============================] - 0s 3ms/step
>12, 281/390, d1=0.524, d2=0.573, g=1.117
2/2 [==============================] - 0s 4ms/step
>12, 282/390, d1=0.520, d2=0.513, g=1.128
2/2 [==============================] - 0s 4ms/step
>12, 283/390, d1=0.516, d2=0.499, g=1.265
2/2 [==============================] - 0s 4ms/step
>12, 284/390, d1=0.489, d2=0.486, g=1.325
2/2 [==============================] - 0s 4ms/step
>12, 285/390, d1=0.573, d2=0.468, g=1.364
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2/2 [==============================] - 0s 3ms/step
>12, 286/390, d1=0.593, d2=0.448, g=1.420
2/2 [==============================] - 0s 4ms/step
>12, 287/390, d1=0.581, d2=0.423, g=1.406
2/2 [==============================] - 0s 3ms/step
>12, 288/390, d1=0.586, d2=0.411, g=1.299
2/2 [==============================] - 0s 4ms/step
>12, 289/390, d1=0.454, d2=0.447, g=1.375
2/2 [==============================] - 0s 4ms/step
>12, 290/390, d1=0.498, d2=0.468, g=1.364
2/2 [==============================] - 0s 5ms/step
>12, 291/390, d1=0.359, d2=0.459, g=1.318
2/2 [==============================] - 0s 4ms/step
>12, 292/390, d1=0.452, d2=0.505, g=1.070
2/2 [==============================] - 0s 4ms/step
>12, 293/390, d1=0.397, d2=0.718, g=1.197
2/2 [==============================] - 0s 4ms/step
>12, 294/390, d1=0.587, d2=0.742, g=1.278
2/2 [==============================] - 0s 4ms/step
>12, 295/390, d1=0.718, d2=0.644, g=1.128
2/2 [==============================] - 0s 4ms/step
>12, 296/390, d1=0.685, d2=0.787, g=1.219
2/2 [==============================] - 0s 4ms/step
>12, 297/390, d1=0.655, d2=0.613, g=1.196
2/2 [==============================] - 0s 5ms/step
>12, 298/390, d1=0.754, d2=0.622, g=1.254
2/2 [==============================] - 0s 4ms/step
>12, 299/390, d1=0.798, d2=0.569, g=1.342
2/2 [==============================] - 0s 4ms/step
>12, 300/390, d1=0.782, d2=0.485, g=1.442
2/2 [==============================] - 0s 4ms/step
>12, 301/390, d1=0.709, d2=0.423, g=1.391
2/2 [==============================] - 0s 4ms/step
>12, 302/390, d1=0.575, d2=0.460, g=1.480
2/2 [==============================] - 0s 3ms/step
>12, 303/390, d1=0.530, d2=0.451, g=1.473
2/2 [==============================] - 0s 5ms/step
>12, 304/390, d1=0.476, d2=0.487, g=1.286
2/2 [==============================] - 0s 4ms/step
>12, 305/390, d1=0.490, d2=0.676, g=1.117
2/2 [==============================] - 0s 4ms/step
>12, 306/390, d1=0.430, d2=0.662, g=1.084
2/2 [==============================] - 0s 4ms/step
>12, 307/390, d1=0.530, d2=0.666, g=1.076
2/2 [==============================] - 0s 3ms/step
>12, 308/390, d1=0.631, d2=0.608, g=1.064
2/2 [==============================] - 0s 4ms/step
>12, 309/390, d1=0.589, d2=0.650, g=1.072
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2/2 [==============================] - 0s 3ms/step
>12, 310/390, d1=0.634, d2=0.616, g=1.059
2/2 [==============================] - 0s 4ms/step
>12, 311/390, d1=0.597, d2=0.606, g=1.224
2/2 [==============================] - 0s 4ms/step
>12, 312/390, d1=0.583, d2=0.610, g=1.220
2/2 [==============================] - 0s 4ms/step
>12, 313/390, d1=0.665, d2=0.477, g=1.261
2/2 [==============================] - 0s 4ms/step
>12, 314/390, d1=0.596, d2=0.501, g=1.215
2/2 [==============================] - 0s 4ms/step
>12, 315/390, d1=0.475, d2=0.518, g=1.205
2/2 [==============================] - 0s 4ms/step
>12, 316/390, d1=0.546, d2=0.463, g=1.335
2/2 [==============================] - 0s 4ms/step
>12, 317/390, d1=0.402, d2=0.489, g=1.304
2/2 [==============================] - 0s 4ms/step
>12, 318/390, d1=0.541, d2=0.567, g=1.233
2/2 [==============================] - 0s 4ms/step
>12, 319/390, d1=0.410, d2=0.441, g=1.277
2/2 [==============================] - 0s 4ms/step
>12, 320/390, d1=0.428, d2=0.534, g=1.283
2/2 [==============================] - 0s 3ms/step
>12, 321/390, d1=0.586, d2=0.417, g=1.271
2/2 [==============================] - 0s 4ms/step
>12, 322/390, d1=0.477, d2=0.723, g=1.317
2/2 [==============================] - 0s 4ms/step
>12, 323/390, d1=0.597, d2=0.428, g=1.352
2/2 [==============================] - 0s 4ms/step
>12, 324/390, d1=0.601, d2=0.532, g=1.353
2/2 [==============================] - 0s 4ms/step
>12, 325/390, d1=0.568, d2=0.578, g=1.265
2/2 [==============================] - 0s 4ms/step
>12, 326/390, d1=0.686, d2=0.572, g=1.336
2/2 [==============================] - 0s 4ms/step
>12, 327/390, d1=0.771, d2=0.601, g=1.325
2/2 [==============================] - 0s 4ms/step
>12, 328/390, d1=0.726, d2=0.477, g=1.324
2/2 [==============================] - 0s 4ms/step
>12, 329/390, d1=0.769, d2=0.659, g=1.274
2/2 [==============================] - 0s 4ms/step
>12, 330/390, d1=0.731, d2=0.488, g=1.296
2/2 [==============================] - 0s 4ms/step
>12, 331/390, d1=0.585, d2=0.468, g=1.362
2/2 [==============================] - 0s 4ms/step
>12, 332/390, d1=0.636, d2=0.493, g=1.344
2/2 [==============================] - 0s 4ms/step
>12, 333/390, d1=0.671, d2=0.460, g=1.289
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2/2 [==============================] - 0s 4ms/step
>12, 334/390, d1=0.520, d2=0.529, g=1.365
2/2 [==============================] - 0s 4ms/step
>12, 335/390, d1=0.592, d2=0.492, g=1.307
2/2 [==============================] - 0s 4ms/step
>12, 336/390, d1=0.548, d2=0.511, g=1.276
2/2 [==============================] - 0s 4ms/step
>12, 337/390, d1=0.542, d2=0.557, g=1.242
2/2 [==============================] - 0s 4ms/step
>12, 338/390, d1=0.576, d2=0.538, g=1.389
2/2 [==============================] - 0s 4ms/step
>12, 339/390, d1=0.526, d2=0.460, g=1.431
2/2 [==============================] - 0s 4ms/step
>12, 340/390, d1=0.598, d2=0.513, g=1.388
2/2 [==============================] - 0s 4ms/step
>12, 341/390, d1=0.587, d2=0.416, g=1.324
2/2 [==============================] - 0s 4ms/step
>12, 342/390, d1=0.501, d2=0.510, g=1.285
2/2 [==============================] - 0s 4ms/step
>12, 343/390, d1=0.613, d2=0.565, g=1.262
2/2 [==============================] - 0s 4ms/step
>12, 344/390, d1=0.635, d2=0.412, g=1.196
2/2 [==============================] - 0s 4ms/step
>12, 345/390, d1=0.590, d2=0.643, g=1.222
2/2 [==============================] - 0s 4ms/step
>12, 346/390, d1=0.624, d2=0.577, g=1.194
2/2 [==============================] - 0s 4ms/step
>12, 347/390, d1=0.579, d2=0.549, g=1.278
2/2 [==============================] - 0s 4ms/step
>12, 348/390, d1=0.681, d2=0.511, g=1.135
2/2 [==============================] - 0s 4ms/step
>12, 349/390, d1=0.554, d2=0.650, g=1.164
2/2 [==============================] - 0s 4ms/step
>12, 350/390, d1=0.570, d2=0.533, g=1.138
2/2 [==============================] - 0s 4ms/step
>12, 351/390, d1=0.620, d2=0.518, g=1.191
2/2 [==============================] - 0s 4ms/step
>12, 352/390, d1=0.512, d2=0.566, g=1.230
2/2 [==============================] - 0s 4ms/step
>12, 353/390, d1=0.522, d2=0.488, g=1.182
2/2 [==============================] - 0s 3ms/step
>12, 354/390, d1=0.633, d2=0.528, g=1.144
2/2 [==============================] - 0s 4ms/step
>12, 355/390, d1=0.628, d2=0.577, g=1.201
2/2 [==============================] - 0s 4ms/step
>12, 356/390, d1=0.576, d2=0.618, g=1.194
2/2 [==============================] - 0s 4ms/step
>12, 357/390, d1=0.537, d2=0.545, g=1.102
```

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2/2 [==============================] - 0s 4ms/step
>12, 358/390, d1=0.588, d2=0.543, g=1.038
2/2 [==============================] - 0s 4ms/step
>12, 359/390, d1=0.488, d2=0.644, g=1.071
2/2 [==============================] - 0s 4ms/step
>12, 360/390, d1=0.540, d2=0.565, g=1.105
2/2 [==============================] - 0s 3ms/step
>12, 361/390, d1=0.569, d2=0.662, g=1.038
2/2 [==============================] - 0s 4ms/step
>12, 362/390, d1=0.509, d2=0.622, g=1.093
2/2 [==============================] - 0s 4ms/step
>12, 363/390, d1=0.480, d2=0.583, g=1.142
2/2 [==============================] - 0s 4ms/step
>12, 364/390, d1=0.672, d2=0.596, g=1.107
2/2 [==============================] - 0s 4ms/step
>12, 365/390, d1=0.610, d2=0.557, g=1.140
2/2 [==============================] - 0s 4ms/step
>12, 366/390, d1=0.549, d2=0.623, g=1.151
2/2 [==============================] - 0s 4ms/step
>12, 367/390, d1=0.652, d2=0.611, g=1.221
2/2 [==============================] - 0s 4ms/step
>12, 368/390, d1=0.643, d2=0.616, g=1.353
2/2 [==============================] - 0s 4ms/step
>12, 369/390, d1=0.661, d2=0.623, g=1.341
2/2 [==============================] - 0s 4ms/step
>12, 370/390, d1=0.700, d2=0.538, g=1.311
2/2 [==============================] - 0s 4ms/step
>12, 371/390, d1=0.708, d2=0.491, g=1.289
2/2 [==============================] - 0s 4ms/step
>12, 372/390, d1=0.593, d2=0.573, g=1.298
2/2 [==============================] - 0s 4ms/step
>12, 373/390, d1=0.556, d2=0.451, g=1.286
2/2 [==============================] - 0s 4ms/step
>12, 374/390, d1=0.434, d2=0.532, g=1.188
2/2 [==============================] - 0s 4ms/step
>12, 375/390, d1=0.480, d2=0.729, g=1.210
2/2 [==============================] - 0s 3ms/step
>12, 376/390, d1=0.432, d2=0.635, g=1.241
2/2 [==============================] - 0s 4ms/step
>12, 377/390, d1=0.697, d2=1.070, g=1.339
2/2 [==============================] - 0s 4ms/step
>12, 378/390, d1=0.742, d2=0.672, g=1.667
2/2 [==============================] - 0s 4ms/step
>12, 379/390, d1=0.801, d2=0.423, g=1.589
2/2 [==============================] - 0s 3ms/step
>12, 380/390, d1=0.824, d2=0.471, g=1.443
2/2 [==============================] - 0s 4ms/step
>12, 381/390, d1=0.745, d2=0.566, g=1.300
```

```
2/2 [==============================] - 0s 4ms/step
>12, 382/390, d1=0.725, d2=0.482, g=1.227
2/2 [==============================] - 0s 4ms/step
>12, 383/390, d1=0.637, d2=0.516, g=1.188
2/2 [==============================] - 0s 4ms/step
>12, 384/390, d1=0.555, d2=0.679, g=1.086
2/2 [==============================] - 0s 4ms/step
>12, 385/390, d1=0.557, d2=0.564, g=1.068
2/2 [==============================] - 0s 4ms/step
>12, 386/390, d1=0.486, d2=0.500, g=1.083
2/2 [==============================] - 0s 4ms/step
>12, 387/390, d1=0.538, d2=0.590, g=1.159
2/2 [==============================] - 0s 4ms/step
>12, 388/390, d1=0.529, d2=0.561, g=1.176
2/2 [==============================] - 0s 4ms/step
>12, 389/390, d1=0.645, d2=0.517, g=1.138
2/2 [==============================] - 0s 4ms/step
>12, 390/390, d1=0.587, d2=0.523, g=1.127
2/2 [==============================] - 0s 4ms/step
>14, 1/390, d1=0.499, d2=0.602, g=1.163
2/2 [==============================] - 0s 4ms/step
>14, 2/390, d1=0.500, d2=0.569, g=1.229
2/2 [==============================] - 0s 4ms/step
>14, 3/390, d1=0.530, d2=0.472, g=1.205
2/2 [==============================] - 0s 4ms/step
>14, 4/390, d1=0.545, d2=0.530, g=1.322
2/2 [==============================] - 0s 4ms/step
>14, 5/390, d1=0.631, d2=0.436, g=1.299
2/2 [==============================] - 0s 4ms/step
>14, 6/390, d1=0.575, d2=0.507, g=1.254
2/2 [==============================] - 0s 4ms/step
>14, 7/390, d1=0.515, d2=0.518, g=1.255
2/2 [==============================] - 0s 3ms/step
>14, 8/390, d1=0.526, d2=0.519, g=1.231
2/2 [==============================] - 0s 4ms/step
>14, 9/390, d1=0.687, d2=0.484, g=1.246
2/2 [==============================] - 0s 4ms/step
>14, 10/390, d1=0.565, d2=0.546, g=1.252
2/2 [==============================] - 0s 4ms/step
>14, 11/390, d1=0.701, d2=0.512, g=1.260
2/2 [==============================] - 0s 4ms/step
>14, 12/390, d1=0.646, d2=0.617, g=1.230
2/2 [==============================] - 0s 4ms/step
>14, 13/390, d1=0.625, d2=0.518, g=1.265
2/2 [==============================] - 0s 4ms/step
>14, 14/390, d1=0.688, d2=0.526, g=1.291
2/2 [==============================] - 0s 4ms/step
>14, 15/390, d1=0.721, d2=0.615, g=1.206
```

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2/2 [==============================] - 0s 3ms/step
>14, 16/390, d1=0.556, d2=0.588, g=1.168
2/2 [==============================] - 0s 4ms/step
>14, 17/390, d1=0.595, d2=0.515, g=1.183
2/2 [==============================] - 0s 4ms/step
>14, 18/390, d1=0.425, d2=0.557, g=1.266
2/2 [==============================] - 0s 4ms/step
>14, 19/390, d1=0.504, d2=0.549, g=1.236
2/2 [==============================] - 0s 4ms/step
>14, 20/390, d1=0.614, d2=0.579, g=1.233
2/2 [==============================] - 0s 3ms/step
>14, 21/390, d1=0.571, d2=0.466, g=1.269
2/2 [==============================] - 0s 4ms/step
>14, 22/390, d1=0.581, d2=0.623, g=1.352
2/2 [==============================] - 0s 4ms/step
>14, 23/390, d1=0.649, d2=0.554, g=1.299
2/2 [==============================] - 0s 4ms/step
>14, 24/390, d1=0.639, d2=0.609, g=1.274
2/2 [==============================] - 0s 4ms/step
>14, 25/390, d1=0.679, d2=0.576, g=1.202
2/2 [==============================] - 0s 4ms/step
>14, 26/390, d1=0.604, d2=0.615, g=1.295
2/2 [==============================] - 0s 4ms/step
>14, 27/390, d1=0.596, d2=0.516, g=1.311
2/2 [==============================] - 0s 4ms/step
>14, 28/390, d1=0.665, d2=0.602, g=1.172
2/2 [==============================] - 0s 4ms/step
>14, 29/390, d1=0.656, d2=0.622, g=1.295
2/2 [==============================] - 0s 4ms/step
>14, 30/390, d1=0.761, d2=0.559, g=1.208
2/2 [==============================] - 0s 4ms/step
>14, 31/390, d1=0.709, d2=0.578, g=1.184
2/2 [==============================] - 0s 4ms/step
>14, 32/390, d1=0.648, d2=0.628, g=1.231
2/2 [==============================] - 0s 4ms/step
>14, 33/390, d1=0.721, d2=0.560, g=1.192
2/2 [==============================] - 0s 3ms/step
>14, 34/390, d1=0.755, d2=0.557, g=1.059
2/2 [==============================] - 0s 4ms/step
>14, 35/390, d1=0.535, d2=0.656, g=1.157
2/2 [==============================] - 0s 5ms/step
>14, 36/390, d1=0.668, d2=0.625, g=1.200
2/2 [==============================] - 0s 4ms/step
>14, 37/390, d1=0.627, d2=0.625, g=1.196
2/2 [==============================] - 0s 4ms/step
>14, 38/390, d1=0.657, d2=0.493, g=1.169
2/2 [==============================] - 0s 4ms/step
>14, 39/390, d1=0.766, d2=0.556, g=1.217
```

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2/2 [==============================] - 0s 4ms/step
>14, 40/390, d1=0.604, d2=0.512, g=1.238
2/2 [==============================] - 0s 4ms/step
>14, 41/390, d1=0.522, d2=0.565, g=1.210
2/2 [==============================] - 0s 3ms/step
>14, 42/390, d1=0.533, d2=0.528, g=1.274
2/2 [==============================] - 0s 3ms/step
>14, 43/390, d1=0.537, d2=0.544, g=1.276
2/2 [==============================] - 0s 4ms/step
>14, 44/390, d1=0.579, d2=0.616, g=1.236
2/2 [==============================] - 0s 3ms/step
>14, 45/390, d1=0.614, d2=0.493, g=1.160
2/2 [==============================] - 0s 4ms/step
>14, 46/390, d1=0.545, d2=0.592, g=1.122
2/2 [==============================] - 0s 4ms/step
>14, 47/390, d1=0.532, d2=0.501, g=1.077
2/2 [==============================] - 0s 4ms/step
>14, 48/390, d1=0.472, d2=0.643, g=1.124
2/2 [==============================] - 0s 4ms/step
>14, 49/390, d1=0.399, d2=0.558, g=1.187
2/2 [==============================] - 0s 4ms/step
>14, 50/390, d1=0.529, d2=0.595, g=1.130
2/2 [==============================] - 0s 4ms/step
>14, 51/390, d1=0.536, d2=0.623, g=1.158
2/2 [==============================] - 0s 4ms/step
>14, 52/390, d1=0.570, d2=0.574, g=1.158
2/2 [==============================] - 0s 4ms/step
>14, 53/390, d1=0.502, d2=0.566, g=1.188
2/2 [==============================] - 0s 4ms/step
>14, 54/390, d1=0.618, d2=0.553, g=1.334
2/2 [==============================] - 0s 4ms/step
>14, 55/390, d1=0.722, d2=0.547, g=1.448
2/2 [==============================] - 0s 4ms/step
>14, 56/390, d1=0.650, d2=0.442, g=1.416
2/2 [==============================] - 0s 4ms/step
>14, 57/390, d1=0.517, d2=0.451, g=1.400
2/2 [==============================] - 0s 4ms/step
>14, 58/390, d1=0.549, d2=0.524, g=1.399
2/2 [==============================] - 0s 4ms/step
>14, 59/390, d1=0.483, d2=0.558, g=1.397
2/2 [==============================] - 0s 5ms/step
>14, 60/390, d1=0.558, d2=0.499, g=1.255
2/2 [==============================] - 0s 4ms/step
>14, 61/390, d1=0.631, d2=0.671, g=1.288
2/2 [==============================] - 0s 4ms/step
>14, 62/390, d1=0.587, d2=0.632, g=1.459
2/2 [==============================] - 0s 4ms/step
>14, 63/390, d1=0.739, d2=0.582, g=1.499
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2/2 [==============================] - 0s 4ms/step
>14, 64/390, d1=0.836, d2=0.479, g=1.431
2/2 [==============================] - 0s 4ms/step
>14, 65/390, d1=0.685, d2=0.542, g=1.580
2/2 [==============================] - 0s 4ms/step
>14, 66/390, d1=0.791, d2=0.489, g=1.538
2/2 [==============================] - 0s 4ms/step
>14, 67/390, d1=0.658, d2=0.458, g=1.594
2/2 [==============================] - 0s 4ms/step
>14, 68/390, d1=0.746, d2=0.506, g=1.536
2/2 [==============================] - 0s 4ms/step
>14, 69/390, d1=0.724, d2=0.577, g=1.364
2/2 [==============================] - 0s 4ms/step
>14, 70/390, d1=0.789, d2=0.619, g=1.254
2/2 [==============================] - 0s 4ms/step
>14, 71/390, d1=0.695, d2=0.500, g=1.183
2/2 [==============================] - 0s 4ms/step
>14, 72/390, d1=0.660, d2=0.579, g=1.246
2/2 [==============================] - 0s 4ms/step
>14, 73/390, d1=0.642, d2=0.520, g=1.296
2/2 [==============================] - 0s 4ms/step
>14, 74/390, d1=0.659, d2=0.490, g=1.253
2/2 [==============================] - 0s 4ms/step
>14, 75/390, d1=0.628, d2=0.515, g=1.179
2/2 [==============================] - 0s 4ms/step
>14, 76/390, d1=0.460, d2=0.526, g=1.346
2/2 [==============================] - 0s 4ms/step
>14, 77/390, d1=0.653, d2=0.497, g=1.362
2/2 [==============================] - 0s 4ms/step
>14, 78/390, d1=0.651, d2=0.515, g=1.185
2/2 [==============================] - 0s 4ms/step
>14, 79/390, d1=0.558, d2=0.491, g=1.227
2/2 [==============================] - 0s 4ms/step
>14, 80/390, d1=0.550, d2=0.501, g=1.224
2/2 [==============================] - 0s 4ms/step
>14, 81/390, d1=0.497, d2=0.626, g=1.277
2/2 [==============================] - 0s 4ms/step
>14, 82/390, d1=0.619, d2=0.499, g=1.219
2/2 [==============================] - 0s 4ms/step
>14, 83/390, d1=0.616, d2=0.516, g=1.110
2/2 [==============================] - 0s 4ms/step
>14, 84/390, d1=0.450, d2=0.563, g=1.183
2/2 [==============================] - 0s 4ms/step
>14, 85/390, d1=0.465, d2=0.564, g=1.243
2/2 [==============================] - 0s 4ms/step
>14, 86/390, d1=0.539, d2=0.477, g=1.166
2/2 [==============================] - 0s 4ms/step
>14, 87/390, d1=0.632, d2=0.612, g=1.084
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2/2 [==============================] - 0s 4ms/step
>14, 88/390, d1=0.532, d2=0.687, g=1.173
2/2 [==============================] - 0s 4ms/step
>14, 89/390, d1=0.539, d2=0.551, g=1.225
2/2 [==============================] - 0s 4ms/step
>14, 90/390, d1=0.614, d2=0.671, g=1.235
2/2 [==============================] - 0s 4ms/step
>14, 91/390, d1=0.741, d2=0.670, g=1.344
2/2 [==============================] - 0s 4ms/step
>14, 92/390, d1=0.790, d2=0.498, g=1.398
2/2 [==============================] - 0s 4ms/step
>14, 93/390, d1=0.745, d2=0.428, g=1.360
2/2 [==============================] - 0s 4ms/step
>14, 94/390, d1=0.790, d2=0.508, g=1.324
2/2 [==============================] - 0s 4ms/step
>14, 95/390, d1=0.653, d2=0.544, g=1.291
2/2 [==============================] - 0s 4ms/step
>14, 96/390, d1=0.660, d2=0.552, g=1.300
2/2 [==============================] - 0s 4ms/step
>14, 97/390, d1=0.745, d2=0.478, g=1.216
2/2 [==============================] - 0s 4ms/step
>14, 98/390, d1=0.594, d2=0.561, g=1.250
2/2 [==============================] - 0s 4ms/step
>14, 99/390, d1=0.601, d2=0.510, g=1.399
2/2 [==============================] - 0s 4ms/step
>14, 100/390, d1=0.708, d2=0.500, g=1.332
2/2 [==============================] - 0s 4ms/step
>14, 101/390, d1=0.683, d2=0.432, g=1.314
2/2 [==============================] - 0s 4ms/step
>14, 102/390, d1=0.612, d2=0.555, g=1.350
2/2 [==============================] - 0s 4ms/step
>14, 103/390, d1=0.662, d2=0.506, g=1.298
2/2 [==============================] - 0s 4ms/step
>14, 104/390, d1=0.670, d2=0.531, g=1.139
2/2 [==============================] - 0s 4ms/step
>14, 105/390, d1=0.729, d2=0.565, g=1.262
2/2 [==============================] - 0s 4ms/step
>14, 106/390, d1=0.688, d2=0.677, g=1.048
2/2 [==============================] - 0s 4ms/step
>14, 107/390, d1=0.616, d2=0.652, g=1.224
2/2 [==============================] - 0s 4ms/step
>14, 108/390, d1=0.765, d2=0.571, g=1.271
2/2 [==============================] - 0s 3ms/step
>14, 109/390, d1=0.793, d2=0.476, g=1.214
2/2 [==============================] - 0s 4ms/step
>14, 110/390, d1=0.670, d2=0.581, g=1.176
2/2 [==============================] - 0s 4ms/step
>14, 111/390, d1=0.647, d2=0.564, g=1.341
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2/2 [==============================] - 0s 4ms/step
>14, 112/390, d1=0.730, d2=0.463, g=1.474
2/2 [==============================] - 0s 3ms/step
>14, 113/390, d1=0.662, d2=0.486, g=1.464
2/2 [==============================] - 0s 3ms/step
>14, 114/390, d1=0.755, d2=0.464, g=1.221
2/2 [==============================] - 0s 4ms/step
>14, 115/390, d1=0.586, d2=0.539, g=1.273
2/2 [==============================] - 0s 4ms/step
>14, 116/390, d1=0.532, d2=0.547, g=1.287
2/2 [==============================] - 0s 4ms/step
>14, 117/390, d1=0.532, d2=0.491, g=1.348
2/2 [==============================] - 0s 4ms/step
>14, 118/390, d1=0.593, d2=0.497, g=1.279
2/2 [==============================] - 0s 4ms/step
>14, 119/390, d1=0.565, d2=0.530, g=1.288
2/2 [==============================] - 0s 4ms/step
>14, 120/390, d1=0.604, d2=0.562, g=1.212
2/2 [==============================] - 0s 5ms/step
>14, 121/390, d1=0.680, d2=0.598, g=1.211
2/2 [==============================] - 0s 3ms/step
>14, 122/390, d1=0.581, d2=0.512, g=1.173
2/2 [==============================] - 0s 4ms/step
>14, 123/390, d1=0.588, d2=0.600, g=1.213
2/2 [==============================] - 0s 4ms/step
>14, 124/390, d1=0.614, d2=0.491, g=1.133
2/2 [==============================] - 0s 4ms/step
>14, 125/390, d1=0.589, d2=0.634, g=1.184
2/2 [==============================] - 0s 4ms/step
>14, 126/390, d1=0.617, d2=0.563, g=1.091
2/2 [==============================] - 0s 4ms/step
>14, 127/390, d1=0.554, d2=0.547, g=1.024
2/2 [==============================] - 0s 4ms/step
>14, 128/390, d1=0.487, d2=0.555, g=1.133
2/2 [==============================] - 0s 4ms/step
>14, 129/390, d1=0.509, d2=0.524, g=1.199
2/2 [==============================] - 0s 4ms/step
>14, 130/390, d1=0.615, d2=0.550, g=1.065
2/2 [==============================] - 0s 4ms/step
>14, 131/390, d1=0.570, d2=0.623, g=1.032
2/2 [==============================] - 0s 4ms/step
>14, 132/390, d1=0.534, d2=0.675, g=1.052
2/2 [==============================] - 0s 4ms/step
>14, 133/390, d1=0.532, d2=0.652, g=1.101
2/2 [==============================] - 0s 4ms/step
>14, 134/390, d1=0.584, d2=0.607, g=1.074
2/2 [==============================] - 0s 4ms/step
>14, 135/390, d1=0.563, d2=0.632, g=1.187
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2/2 [==============================] - 0s 4ms/step
>14, 136/390, d1=0.610, d2=0.537, g=1.106
2/2 [==============================] - 0s 4ms/step
>14, 137/390, d1=0.552, d2=0.641, g=1.180
2/2 [==============================] - 0s 4ms/step
>14, 138/390, d1=0.558, d2=0.543, g=1.038
2/2 [==============================] - 0s 4ms/step
>14, 139/390, d1=0.610, d2=0.548, g=1.138
2/2 [==============================] - 0s 4ms/step
>14, 140/390, d1=0.641, d2=0.566, g=1.047
2/2 [==============================] - 0s 4ms/step
>14, 141/390, d1=0.525, d2=0.663, g=1.273
2/2 [==============================] - 0s 4ms/step
>14, 142/390, d1=0.532, d2=0.604, g=1.127
2/2 [==============================] - 0s 4ms/step
>14, 143/390, d1=0.617, d2=0.543, g=1.135
2/2 [==============================] - 0s 4ms/step
>14, 144/390, d1=0.502, d2=0.561, g=1.198
2/2 [==============================] - 0s 4ms/step
>14, 145/390, d1=0.575, d2=0.577, g=1.068
2/2 [==============================] - 0s 4ms/step
>14, 146/390, d1=0.522, d2=0.690, g=1.186
2/2 [==============================] - 0s 3ms/step
>14, 147/390, d1=0.630, d2=0.599, g=1.052
2/2 [==============================] - 0s 4ms/step
>14, 148/390, d1=0.608, d2=0.642, g=1.128
2/2 [==============================] - 0s 4ms/step
>14, 149/390, d1=0.645, d2=0.614, g=1.157
2/2 [==============================] - 0s 4ms/step
>14, 150/390, d1=0.662, d2=0.554, g=1.093
2/2 [==============================] - 0s 4ms/step
>14, 151/390, d1=0.561, d2=0.647, g=1.084
2/2 [==============================] - 0s 4ms/step
>14, 152/390, d1=0.608, d2=0.591, g=1.122
2/2 [==============================] - 0s 4ms/step
>14, 153/390, d1=0.617, d2=0.607, g=1.148
2/2 [==============================] - 0s 4ms/step
>14, 154/390, d1=0.539, d2=0.537, g=1.225
2/2 [==============================] - 0s 4ms/step
>14, 155/390, d1=0.670, d2=0.598, g=1.140
2/2 [==============================] - 0s 4ms/step
>14, 156/390, d1=0.649, d2=0.603, g=1.136
2/2 [==============================] - 0s 4ms/step
>14, 157/390, d1=0.628, d2=0.534, g=1.182
2/2 [==============================] - 0s 4ms/step
>14, 158/390, d1=0.583, d2=0.556, g=1.170
2/2 [==============================] - 0s 4ms/step
>14, 159/390, d1=0.638, d2=0.565, g=1.209
```

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2/2 [==============================] - 0s 4ms/step
>14, 160/390, d1=0.456, d2=0.503, g=1.255
2/2 [==============================] - 0s 4ms/step
>14, 161/390, d1=0.587, d2=0.473, g=1.193
2/2 [==============================] - 0s 4ms/step
>14, 162/390, d1=0.466, d2=0.515, g=1.234
2/2 [==============================] - 0s 4ms/step
>14, 163/390, d1=0.575, d2=0.468, g=1.281
2/2 [==============================] - 0s 4ms/step
>14, 164/390, d1=0.466, d2=0.445, g=1.317
2/2 [==============================] - 0s 4ms/step
>14, 165/390, d1=0.446, d2=0.474, g=1.304
2/2 [==============================] - 0s 4ms/step
>14, 166/390, d1=0.458, d2=0.478, g=1.394
2/2 [==============================] - 0s 4ms/step
>14, 167/390, d1=0.460, d2=0.466, g=1.404
2/2 [==============================] - 0s 4ms/step
>14, 168/390, d1=0.555, d2=0.524, g=1.375
2/2 [==============================] - 0s 4ms/step
>14, 169/390, d1=0.566, d2=0.656, g=1.285
2/2 [==============================] - 0s 3ms/step
>14, 170/390, d1=0.560, d2=0.630, g=1.309
2/2 [==============================] - 0s 5ms/step
>14, 171/390, d1=0.718, d2=0.662, g=1.296
2/2 [==============================] - 0s 4ms/step
>14, 172/390, d1=0.744, d2=0.607, g=1.180
2/2 [==============================] - 0s 4ms/step
>14, 173/390, d1=0.650, d2=0.688, g=1.192
2/2 [==============================] - 0s 4ms/step
>14, 174/390, d1=0.764, d2=0.720, g=1.191
2/2 [==============================] - 0s 4ms/step
>14, 175/390, d1=0.823, d2=0.641, g=1.182
2/2 [==============================] - 0s 4ms/step
>14, 176/390, d1=0.777, d2=0.633, g=1.154
2/2 [==============================] - 0s 4ms/step
>14, 177/390, d1=0.694, d2=0.665, g=1.193
2/2 [==============================] - 0s 4ms/step
>14, 178/390, d1=0.657, d2=0.554, g=1.248
2/2 [==============================] - 0s 4ms/step
>14, 179/390, d1=0.567, d2=0.481, g=1.259
2/2 [==============================] - 0s 4ms/step
>14, 180/390, d1=0.544, d2=0.541, g=1.235
2/2 [==============================] - 0s 4ms/step
>14, 181/390, d1=0.601, d2=0.593, g=1.231
2/2 [==============================] - 0s 4ms/step
>14, 182/390, d1=0.529, d2=0.568, g=1.169
2/2 [==============================] - 0s 3ms/step
>14, 183/390, d1=0.507, d2=0.606, g=1.257
```

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2/2 [==============================] - 0s 4ms/step
>14, 184/390, d1=0.602, d2=0.514, g=1.275
2/2 [==============================] - 0s 4ms/step
>14, 185/390, d1=0.579, d2=0.522, g=1.157
2/2 [==============================] - 0s 4ms/step
>14, 186/390, d1=0.436, d2=0.637, g=1.157
2/2 [==============================] - 0s 4ms/step
>14, 187/390, d1=0.459, d2=0.611, g=1.198
2/2 [==============================] - 0s 4ms/step
>14, 188/390, d1=0.634, d2=0.646, g=1.201
2/2 [==============================] - 0s 4ms/step
>14, 189/390, d1=0.481, d2=0.674, g=1.225
2/2 [==============================] - 0s 4ms/step
>14, 190/390, d1=0.647, d2=0.561, g=1.279
2/2 [==============================] - 0s 4ms/step
>14, 191/390, d1=0.767, d2=0.549, g=1.155
2/2 [==============================] - 0s 4ms/step
>14, 192/390, d1=0.674, d2=0.774, g=1.205
2/2 [==============================] - 0s 3ms/step
>14, 193/390, d1=0.740, d2=0.777, g=1.473
2/2 [==============================] - 0s 4ms/step
>14, 194/390, d1=0.900, d2=0.421, g=1.392
2/2 [==============================] - 0s 4ms/step
>14, 195/390, d1=1.029, d2=0.599, g=1.278
2/2 [==============================] - 0s 4ms/step
>14, 196/390, d1=0.758, d2=0.509, g=1.153
2/2 [==============================] - 0s 4ms/step
>14, 197/390, d1=0.760, d2=0.550, g=1.107
2/2 [==============================] - 0s 4ms/step
>14, 198/390, d1=0.758, d2=0.578, g=1.091
2/2 [==============================] - 0s 4ms/step
>14, 199/390, d1=0.586, d2=0.542, g=1.109
2/2 [==============================] - 0s 4ms/step
>14, 200/390, d1=0.616, d2=0.500, g=1.205
2/2 [==============================] - 0s 4ms/step
>14, 201/390, d1=0.612, d2=0.566, g=1.207
2/2 [==============================] - 0s 4ms/step
>14, 202/390, d1=0.597, d2=0.499, g=1.190
2/2 [==============================] - 0s 4ms/step
>14, 203/390, d1=0.629, d2=0.569, g=1.173
2/2 [==============================] - 0s 4ms/step
>14, 204/390, d1=0.613, d2=0.492, g=1.229
2/2 [==============================] - 0s 4ms/step
>14, 205/390, d1=0.639, d2=0.505, g=1.182
2/2 [==============================] - 0s 4ms/step
>14, 206/390, d1=0.591, d2=0.490, g=1.208
2/2 [==============================] - 0s 5ms/step
>14, 207/390, d1=0.661, d2=0.561, g=1.111
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2/2 [==============================] - 0s 4ms/step
>14, 208/390, d1=0.539, d2=0.548, g=1.177
2/2 [==============================] - 0s 4ms/step
>14, 209/390, d1=0.610, d2=0.636, g=1.196
2/2 [==============================] - 0s 4ms/step
>14, 210/390, d1=0.551, d2=0.546, g=1.278
2/2 [==============================] - 0s 4ms/step
>14, 211/390, d1=0.579, d2=0.462, g=1.256
2/2 [==============================] - 0s 3ms/step
>14, 212/390, d1=0.599, d2=0.535, g=1.113
2/2 [==============================] - 0s 4ms/step
>14, 213/390, d1=0.593, d2=0.548, g=1.153
2/2 [==============================] - 0s 4ms/step
>14, 214/390, d1=0.653, d2=0.665, g=1.039
2/2 [==============================] - 0s 4ms/step
>14, 215/390, d1=0.603, d2=0.615, g=1.059
2/2 [==============================] - 0s 4ms/step
>14, 216/390, d1=0.594, d2=0.686, g=1.083
2/2 [==============================] - 0s 3ms/step
>14, 217/390, d1=0.654, d2=0.619, g=1.152
2/2 [==============================] - 0s 4ms/step
>14, 218/390, d1=0.780, d2=0.581, g=1.153
2/2 [==============================] - 0s 4ms/step
>14, 219/390, d1=0.822, d2=0.571, g=1.121
2/2 [==============================] - 0s 4ms/step
>14, 220/390, d1=0.713, d2=0.518, g=1.137
2/2 [==============================] - 0s 4ms/step
>14, 221/390, d1=0.628, d2=0.638, g=1.213
2/2 [==============================] - 0s 4ms/step
>14, 222/390, d1=0.669, d2=0.486, g=1.266
2/2 [==============================] - 0s 4ms/step
>14, 223/390, d1=0.746, d2=0.544, g=1.164
2/2 [==============================] - 0s 3ms/step
>14, 224/390, d1=0.670, d2=0.607, g=1.074
2/2 [==============================] - 0s 4ms/step
>14, 225/390, d1=0.626, d2=0.597, g=1.023
2/2 [==============================] - 0s 4ms/step
>14, 226/390, d1=0.662, d2=0.637, g=1.141
2/2 [==============================] - 0s 4ms/step
>14, 227/390, d1=0.663, d2=0.540, g=1.111
2/2 [==============================] - 0s 3ms/step
>14, 228/390, d1=0.731, d2=0.574, g=1.143
2/2 [==============================] - 0s 4ms/step
>14, 229/390, d1=0.718, d2=0.594, g=1.138
2/2 [==============================] - 0s 4ms/step
>14, 230/390, d1=0.664, d2=0.509, g=1.195
2/2 [==============================] - 0s 4ms/step
>14, 231/390, d1=0.727, d2=0.527, g=1.255
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2/2 [==============================] - 0s 4ms/step
>14, 232/390, d1=0.812, d2=0.505, g=1.186
2/2 [==============================] - 0s 4ms/step
>14, 233/390, d1=0.678, d2=0.513, g=1.187
2/2 [==============================] - 0s 4ms/step
>14, 234/390, d1=0.657, d2=0.508, g=1.156
2/2 [==============================] - 0s 3ms/step
>14, 235/390, d1=0.584, d2=0.542, g=1.119
2/2 [==============================] - 0s 4ms/step
>14, 236/390, d1=0.668, d2=0.545, g=1.149
2/2 [==============================] - 0s 4ms/step
>14, 237/390, d1=0.598, d2=0.525, g=1.163
2/2 [==============================] - 0s 4ms/step
>14, 238/390, d1=0.664, d2=0.495, g=1.155
2/2 [==============================] - 0s 4ms/step
>14, 239/390, d1=0.662, d2=0.475, g=1.129
2/2 [==============================] - 0s 4ms/step
>14, 240/390, d1=0.577, d2=0.531, g=1.168
2/2 [==============================] - 0s 4ms/step
>14, 241/390, d1=0.575, d2=0.581, g=1.262
2/2 [==============================] - 0s 4ms/step
>14, 242/390, d1=0.613, d2=0.430, g=1.141
2/2 [==============================] - 0s 4ms/step
>14, 243/390, d1=0.617, d2=0.522, g=1.121
2/2 [==============================] - 0s 4ms/step
>14, 244/390, d1=0.517, d2=0.594, g=1.123
2/2 [==============================] - 0s 4ms/step
>14, 245/390, d1=0.520, d2=0.539, g=1.174
2/2 [==============================] - 0s 4ms/step
>14, 246/390, d1=0.527, d2=0.552, g=1.188
2/2 [==============================] - 0s 4ms/step
>14, 247/390, d1=0.601, d2=0.515, g=1.081
2/2 [==============================] - 0s 4ms/step
>14, 248/390, d1=0.574, d2=0.591, g=1.082
2/2 [==============================] - 0s 4ms/step
>14, 249/390, d1=0.646, d2=0.600, g=1.055
2/2 [==============================] - 0s 4ms/step
>14, 250/390, d1=0.523, d2=0.551, g=1.112
2/2 [==============================] - 0s 4ms/step
>14, 251/390, d1=0.505, d2=0.514, g=1.049
2/2 [==============================] - 0s 4ms/step
>14, 252/390, d1=0.473, d2=0.595, g=1.035
2/2 [==============================] - 0s 4ms/step
>14, 253/390, d1=0.536, d2=0.678, g=1.009
2/2 [==============================] - 0s 4ms/step
>14, 254/390, d1=0.491, d2=0.634, g=1.046
2/2 [==============================] - 0s 4ms/step
>14, 255/390, d1=0.532, d2=0.661, g=1.074
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2/2 [==============================] - 0s 4ms/step
>14, 256/390, d1=0.610, d2=0.644, g=1.143
2/2 [==============================] - 0s 4ms/step
>14, 257/390, d1=0.556, d2=0.651, g=1.200
2/2 [==============================] - 0s 4ms/step
>14, 258/390, d1=0.564, d2=0.539, g=1.262
2/2 [==============================] - 0s 4ms/step
>14, 259/390, d1=0.650, d2=0.522, g=1.281
2/2 [==============================] - 0s 4ms/step
>14, 260/390, d1=0.597, d2=0.536, g=1.235
2/2 [==============================] - 0s 4ms/step
>14, 261/390, d1=0.568, d2=0.548, g=1.230
2/2 [==============================] - 0s 4ms/step
>14, 262/390, d1=0.569, d2=0.431, g=1.191
2/2 [==============================] - 0s 4ms/step
>14, 263/390, d1=0.568, d2=0.525, g=1.218
2/2 [==============================] - 0s 4ms/step
>14, 264/390, d1=0.518, d2=0.538, g=1.207
2/2 [==============================] - 0s 4ms/step
>14, 265/390, d1=0.536, d2=0.605, g=1.300
2/2 [==============================] - 0s 4ms/step
>14, 266/390, d1=0.692, d2=0.465, g=1.205
2/2 [==============================] - 0s 5ms/step
>14, 267/390, d1=0.535, d2=0.547, g=1.203
2/2 [==============================] - 0s 4ms/step
>14, 268/390, d1=0.613, d2=0.593, g=1.149
2/2 [==============================] - 0s 4ms/step
>14, 269/390, d1=0.546, d2=0.552, g=1.173
2/2 [==============================] - 0s 4ms/step
>14, 270/390, d1=0.533, d2=0.514, g=1.115
2/2 [==============================] - 0s 4ms/step
>14, 271/390, d1=0.485, d2=0.552, g=1.177
2/2 [==============================] - 0s 4ms/step
>14, 272/390, d1=0.523, d2=0.534, g=1.245
2/2 [==============================] - 0s 4ms/step
>14, 273/390, d1=0.607, d2=0.494, g=1.124
2/2 [==============================] - 0s 4ms/step
>14, 274/390, d1=0.437, d2=0.525, g=1.122
2/2 [==============================] - 0s 4ms/step
>14, 275/390, d1=0.620, d2=0.577, g=1.101
2/2 [==============================] - 0s 3ms/step
>14, 276/390, d1=0.520, d2=0.699, g=1.203
2/2 [==============================] - 0s 3ms/step
>14, 277/390, d1=0.528, d2=0.683, g=1.250
2/2 [==============================] - 0s 4ms/step
>14, 278/390, d1=0.623, d2=0.539, g=1.233
2/2 [==============================] - 0s 4ms/step
>14, 279/390, d1=0.673, d2=0.478, g=1.142
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2/2 [==============================] - 0s 6ms/step
>14, 280/390, d1=0.728, d2=0.595, g=1.172
2/2 [==============================] - 0s 4ms/step
>14, 281/390, d1=0.469, d2=0.534, g=1.157
2/2 [==============================] - 0s 4ms/step
>14, 282/390, d1=0.452, d2=0.522, g=1.232
2/2 [==============================] - 0s 4ms/step
>14, 283/390, d1=0.556, d2=0.504, g=1.197
2/2 [==============================] - 0s 4ms/step
>14, 284/390, d1=0.457, d2=0.569, g=1.125
2/2 [==============================] - 0s 4ms/step
>14, 285/390, d1=0.524, d2=0.610, g=1.039
2/2 [==============================] - 0s 4ms/step
>14, 286/390, d1=0.545, d2=0.539, g=1.016
2/2 [==============================] - 0s 4ms/step
>14, 287/390, d1=0.457, d2=0.659, g=1.043
2/2 [==============================] - 0s 4ms/step
>14, 288/390, d1=0.435, d2=0.588, g=1.149
2/2 [==============================] - 0s 4ms/step
>14, 289/390, d1=0.500, d2=0.537, g=1.149
2/2 [==============================] - 0s 4ms/step
>14, 290/390, d1=0.456, d2=0.533, g=1.163
2/2 [==============================] - 0s 4ms/step
>14, 291/390, d1=0.498, d2=0.570, g=1.193
2/2 [==============================] - 0s 4ms/step
>14, 292/390, d1=0.547, d2=0.490, g=1.140
2/2 [==============================] - 0s 4ms/step
>14, 293/390, d1=0.399, d2=0.527, g=1.145
2/2 [==============================] - 0s 4ms/step
>14, 294/390, d1=0.570, d2=0.731, g=1.356
2/2 [==============================] - 0s 5ms/step
>14, 295/390, d1=0.579, d2=0.472, g=1.381
2/2 [==============================] - 0s 4ms/step
>14, 296/390, d1=0.759, d2=0.548, g=1.342
2/2 [==============================] - 0s 4ms/step
>14, 297/390, d1=0.588, d2=0.636, g=1.357
2/2 [==============================] - 0s 4ms/step
>14, 298/390, d1=0.706, d2=0.655, g=1.393
2/2 [==============================] - 0s 4ms/step
>14, 299/390, d1=0.735, d2=0.470, g=1.399
2/2 [==============================] - 0s 4ms/step
>14, 300/390, d1=0.782, d2=0.544, g=1.210
2/2 [==============================] - 0s 4ms/step
>14, 301/390, d1=0.609, d2=0.520, g=1.211
2/2 [==============================] - 0s 4ms/step
>14, 302/390, d1=0.587, d2=0.615, g=1.148
2/2 [==============================] - 0s 4ms/step
>14, 303/390, d1=0.581, d2=0.674, g=1.170
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2/2 [==============================] - 0s 3ms/step
>14, 304/390, d1=0.726, d2=0.526, g=1.181
2/2 [==============================] - 0s 4ms/step
>14, 305/390, d1=0.591, d2=0.582, g=1.098
2/2 [==============================] - 0s 4ms/step
>14, 306/390, d1=0.673, d2=0.628, g=1.011
2/2 [==============================] - 0s 4ms/step
>14, 307/390, d1=0.728, d2=0.569, g=1.086
2/2 [==============================] - 0s 4ms/step
>14, 308/390, d1=0.575, d2=0.563, g=1.136
2/2 [==============================] - 0s 4ms/step
>14, 309/390, d1=0.603, d2=0.627, g=1.162
2/2 [==============================] - 0s 3ms/step
>14, 310/390, d1=0.570, d2=0.591, g=1.210
2/2 [==============================] - 0s 4ms/step
>14, 311/390, d1=0.609, d2=0.643, g=1.213
2/2 [==============================] - 0s 4ms/step
>14, 312/390, d1=0.717, d2=0.599, g=1.110
2/2 [==============================] - 0s 5ms/step
>14, 313/390, d1=0.505, d2=0.684, g=1.186
2/2 [==============================] - 0s 4ms/step
>14, 314/390, d1=0.559, d2=0.611, g=1.218
2/2 [==============================] - 0s 4ms/step
>14, 315/390, d1=0.629, d2=0.532, g=1.164
2/2 [==============================] - 0s 4ms/step
>14, 316/390, d1=0.639, d2=0.666, g=1.199
2/2 [==============================] - 0s 4ms/step
>14, 317/390, d1=0.605, d2=0.514, g=1.199
2/2 [==============================] - 0s 4ms/step
>14, 318/390, d1=0.612, d2=0.585, g=1.211
2/2 [==============================] - 0s 4ms/step
>14, 319/390, d1=0.568, d2=0.561, g=1.260
2/2 [==============================] - 0s 5ms/step
>14, 320/390, d1=0.721, d2=0.482, g=1.156
2/2 [==============================] - 0s 4ms/step
>14, 321/390, d1=0.486, d2=0.645, g=1.228
2/2 [==============================] - 0s 4ms/step
>14, 322/390, d1=0.498, d2=0.543, g=1.308
2/2 [==============================] - 0s 4ms/step
>14, 323/390, d1=0.671, d2=0.713, g=1.386
2/2 [==============================] - 0s 4ms/step
>14, 324/390, d1=0.666, d2=0.513, g=1.399
2/2 [==============================] - 0s 4ms/step
>14, 325/390, d1=0.649, d2=0.505, g=1.304
2/2 [==============================] - 0s 3ms/step
>14, 326/390, d1=0.747, d2=0.578, g=1.157
2/2 [==============================] - 0s 4ms/step
>14, 327/390, d1=0.714, d2=0.642, g=1.191
```

```
2/2 [==============================] - 0s 4ms/step
>14, 328/390, d1=0.653, d2=0.528, g=1.239
2/2 [==============================] - 0s 4ms/step
>14, 329/390, d1=0.602, d2=0.623, g=1.370
2/2 [==============================] - 0s 4ms/step
>14, 330/390, d1=0.805, d2=0.456, g=1.253
2/2 [==============================] - 0s 4ms/step
>14, 331/390, d1=0.723, d2=0.586, g=1.134
2/2 [==============================] - 0s 4ms/step
>14, 332/390, d1=0.673, d2=0.616, g=1.106
2/2 [==============================] - 0s 5ms/step
>14, 333/390, d1=0.599, d2=0.599, g=1.115
2/2 [==============================] - 0s 4ms/step
>14, 334/390, d1=0.586, d2=0.547, g=1.134
2/2 [==============================] - 0s 4ms/step
>14, 335/390, d1=0.699, d2=0.550, g=1.129
2/2 [==============================] - 0s 4ms/step
>14, 336/390, d1=0.537, d2=0.621, g=1.187
2/2 [==============================] - 0s 4ms/step
>14, 337/390, d1=0.627, d2=0.476, g=1.174
2/2 [==============================] - 0s 4ms/step
>14, 338/390, d1=0.624, d2=0.541, g=1.247
2/2 [==============================] - 0s 4ms/step
>14, 339/390, d1=0.628, d2=0.593, g=1.206
2/2 [==============================] - 0s 4ms/step
>14, 340/390, d1=0.687, d2=0.582, g=1.090
2/2 [==============================] - 0s 4ms/step
>14, 341/390, d1=0.619, d2=0.591, g=1.106
2/2 [==============================] - 0s 3ms/step
>14, 342/390, d1=0.697, d2=0.589, g=1.138
2/2 [==============================] - 0s 3ms/step
>14, 343/390, d1=0.646, d2=0.738, g=1.173
2/2 [==============================] - 0s 4ms/step
>14, 344/390, d1=0.642, d2=0.563, g=1.173
2/2 [==============================] - 0s 4ms/step
>14, 345/390, d1=0.776, d2=0.522, g=1.123
2/2 [==============================] - 0s 4ms/step
>14, 346/390, d1=0.693, d2=0.675, g=1.182
2/2 [==============================] - 0s 4ms/step
>14, 347/390, d1=0.723, d2=0.545, g=1.231
2/2 [==============================] - 0s 4ms/step
>14, 348/390, d1=0.797, d2=0.528, g=1.241
2/2 [==============================] - 0s 4ms/step
>14, 349/390, d1=0.762, d2=0.433, g=1.200
2/2 [==============================] - 0s 3ms/step
>14, 350/390, d1=0.728, d2=0.532, g=1.130
2/2 [==============================] - 0s 5ms/step
>14, 351/390, d1=0.527, d2=0.548, g=1.135
```

```
2/2 [==============================] - 0s 4ms/step
>14, 352/390, d1=0.655, d2=0.541, g=1.116
2/2 [==============================] - 0s 4ms/step
>14, 353/390, d1=0.664, d2=0.563, g=1.133
2/2 [==============================] - 0s 4ms/step
>14, 354/390, d1=0.641, d2=0.489, g=1.160
2/2 [==============================] - 0s 4ms/step
>14, 355/390, d1=0.626, d2=0.522, g=1.218
2/2 [==============================] - 0s 4ms/step
>14, 356/390, d1=0.623, d2=0.498, g=1.214
2/2 [==============================] - 0s 4ms/step
>14, 357/390, d1=0.644, d2=0.525, g=1.153
2/2 [==============================] - 0s 3ms/step
>14, 358/390, d1=0.581, d2=0.467, g=1.188
2/2 [==============================] - 0s 4ms/step
>14, 359/390, d1=0.656, d2=0.584, g=1.151
2/2 [==============================] - 0s 4ms/step
>14, 360/390, d1=0.596, d2=0.544, g=1.196
2/2 [==============================] - 0s 4ms/step
>14, 361/390, d1=0.592, d2=0.492, g=1.094
2/2 [==============================] - 0s 4ms/step
>14, 362/390, d1=0.706, d2=0.570, g=1.052
2/2 [==============================] - 0s 4ms/step
>14, 363/390, d1=0.610, d2=0.603, g=1.055
2/2 [==============================] - 0s 4ms/step
>14, 364/390, d1=0.545, d2=0.676, g=1.110
2/2 [==============================] - 0s 4ms/step
>14, 365/390, d1=0.644, d2=0.530, g=1.089
2/2 [==============================] - 0s 4ms/step
>14, 366/390, d1=0.724, d2=0.573, g=1.075
2/2 [==============================] - 0s 4ms/step
>14, 367/390, d1=0.573, d2=0.636, g=1.095
2/2 [==============================] - 0s 4ms/step
>14, 368/390, d1=0.553, d2=0.474, g=1.059
2/2 [==============================] - 0s 4ms/step
>14, 369/390, d1=0.531, d2=0.520, g=1.110
2/2 [==============================] - 0s 4ms/step
>14, 370/390, d1=0.582, d2=0.546, g=1.139
2/2 [==============================] - 0s 4ms/step
>14, 371/390, d1=0.604, d2=0.512, g=1.218
2/2 [==============================] - 0s 5ms/step
>14, 372/390, d1=0.553, d2=0.507, g=1.190
2/2 [==============================] - 0s 4ms/step
>14, 373/390, d1=0.603, d2=0.455, g=1.191
2/2 [==============================] - 0s 4ms/step
>14, 374/390, d1=0.561, d2=0.523, g=1.205
2/2 [==============================] - 0s 4ms/step
>14, 375/390, d1=0.464, d2=0.556, g=1.202
```

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2/2 [==============================] - 0s 4ms/step
>14, 376/390, d1=0.474, d2=0.473, g=1.270
2/2 [==============================] - 0s 3ms/step
>14, 377/390, d1=0.630, d2=0.526, g=1.236
2/2 [==============================] - 0s 4ms/step
>14, 378/390, d1=0.519, d2=0.583, g=1.220
2/2 [==============================] - 0s 4ms/step
>14, 379/390, d1=0.524, d2=0.523, g=1.133
2/2 [==============================] - 0s 4ms/step
>14, 380/390, d1=0.614, d2=0.579, g=1.184
2/2 [==============================] - 0s 4ms/step
>14, 381/390, d1=0.534, d2=0.704, g=1.193
2/2 [==============================] - 0s 3ms/step
>14, 382/390, d1=0.669, d2=0.544, g=1.278
2/2 [==============================] - 0s 4ms/step
>14, 383/390, d1=0.650, d2=0.486, g=1.220
2/2 [==============================] - 0s 4ms/step
>14, 384/390, d1=0.579, d2=0.510, g=1.244
2/2 [==============================] - 0s 4ms/step
>14, 385/390, d1=0.601, d2=0.534, g=1.188
2/2 [==============================] - 0s 4ms/step
>14, 386/390, d1=0.567, d2=0.601, g=1.242
2/2 [==============================] - 0s 3ms/step
>14, 387/390, d1=0.639, d2=0.486, g=1.245
2/2 [==============================] - 0s 4ms/step
>14, 388/390, d1=0.548, d2=0.527, g=1.319
2/2 [==============================] - 0s 4ms/step
>14, 389/390, d1=0.690, d2=0.500, g=1.238
2/2 [==============================] - 0s 4ms/step
>14, 390/390, d1=0.552, d2=0.563, g=1.281
2/2 [==============================] - 0s 5ms/step
>16, 1/390, d1=0.530, d2=0.544, g=1.286
2/2 [==============================] - 0s 4ms/step
>16, 2/390, d1=0.533, d2=0.499, g=1.260
2/2 [==============================] - 0s 4ms/step
>16, 3/390, d1=0.450, d2=0.544, g=1.231
2/2 [==============================] - 0s 4ms/step
>16, 4/390, d1=0.594, d2=0.556, g=1.209
2/2 [==============================] - 0s 5ms/step
>16, 5/390, d1=0.505, d2=0.544, g=1.291
2/2 [==============================] - 0s 4ms/step
>16, 6/390, d1=0.642, d2=0.578, g=1.301
2/2 [==============================] - 0s 4ms/step
>16, 7/390, d1=0.651, d2=0.578, g=1.361
2/2 [==============================] - 0s 4ms/step
>16, 8/390, d1=0.743, d2=0.552, g=1.239
2/2 [==============================] - 0s 4ms/step
>16, 9/390, d1=0.609, d2=0.499, g=1.181
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2/2 [==============================] - 0s 4ms/step
>16, 10/390, d1=0.533, d2=0.593, g=1.300
2/2 [==============================] - 0s 4ms/step
>16, 11/390, d1=0.523, d2=0.504, g=1.358
2/2 [==============================] - 0s 4ms/step
>16, 12/390, d1=0.506, d2=0.499, g=1.273
2/2 [==============================] - 0s 4ms/step
>16, 13/390, d1=0.540, d2=0.664, g=1.253
2/2 [==============================] - 0s 4ms/step
>16, 14/390, d1=0.479, d2=0.594, g=1.243
2/2 [==============================] - 0s 4ms/step
>16, 15/390, d1=0.517, d2=0.653, g=1.228
2/2 [==============================] - 0s 4ms/step
>16, 16/390, d1=0.530, d2=0.669, g=1.201
2/2 [==============================] - 0s 4ms/step
>16, 17/390, d1=0.523, d2=0.713, g=1.120
2/2 [==============================] - 0s 4ms/step
>16, 18/390, d1=0.641, d2=0.789, g=1.095
2/2 [==============================] - 0s 4ms/step
>16, 19/390, d1=0.695, d2=0.663, g=1.083
2/2 [==============================] - 0s 4ms/step
>16, 20/390, d1=0.722, d2=0.654, g=1.141
2/2 [==============================] - 0s 4ms/step
>16, 21/390, d1=0.707, d2=0.651, g=1.147
2/2 [==============================] - 0s 4ms/step
>16, 22/390, d1=0.662, d2=0.591, g=1.159
2/2 [==============================] - 0s 4ms/step
>16, 23/390, d1=0.572, d2=0.590, g=1.227
2/2 [==============================] - 0s 5ms/step
>16, 24/390, d1=0.620, d2=0.499, g=1.278
2/2 [==============================] - 0s 4ms/step
>16, 25/390, d1=0.690, d2=0.513, g=1.284
2/2 [==============================] - 0s 4ms/step
>16, 26/390, d1=0.566, d2=0.582, g=1.206
2/2 [==============================] - 0s 4ms/step
>16, 27/390, d1=0.517, d2=0.606, g=1.314
2/2 [==============================] - 0s 4ms/step
>16, 28/390, d1=0.551, d2=0.713, g=1.343
2/2 [==============================] - 0s 4ms/step
>16, 29/390, d1=0.649, d2=0.550, g=1.366
2/2 [==============================] - 0s 4ms/step
>16, 30/390, d1=0.645, d2=0.493, g=1.273
2/2 [==============================] - 0s 4ms/step
>16, 31/390, d1=0.684, d2=0.554, g=1.121
2/2 [==============================] - 0s 4ms/step
>16, 32/390, d1=0.488, d2=0.612, g=1.198
2/2 [==============================] - 0s 4ms/step
>16, 33/390, d1=0.563, d2=0.508, g=1.239
```

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2/2 [==============================] - 0s 4ms/step
>16, 34/390, d1=0.577, d2=0.702, g=1.427
2/2 [==============================] - 0s 4ms/step
>16, 35/390, d1=0.592, d2=0.409, g=1.582
2/2 [==============================] - 0s 5ms/step
>16, 36/390, d1=0.531, d2=0.463, g=1.330
2/2 [==============================] - 0s 4ms/step
>16, 37/390, d1=0.540, d2=0.509, g=1.356
2/2 [==============================] - 0s 4ms/step
>16, 38/390, d1=0.603, d2=0.637, g=1.336
2/2 [==============================] - 0s 4ms/step
>16, 39/390, d1=0.622, d2=0.558, g=1.166
2/2 [==============================] - 0s 4ms/step
>16, 40/390, d1=0.610, d2=0.583, g=1.206
2/2 [==============================] - 0s 4ms/step
>16, 41/390, d1=0.638, d2=0.664, g=1.174
2/2 [==============================] - 0s 4ms/step
>16, 42/390, d1=0.680, d2=0.594, g=1.072
2/2 [==============================] - 0s 4ms/step
>16, 43/390, d1=0.506, d2=0.550, g=1.190
2/2 [==============================] - 0s 4ms/step
>16, 44/390, d1=0.707, d2=0.571, g=1.190
2/2 [==============================] - 0s 4ms/step
>16, 45/390, d1=0.781, d2=0.614, g=1.174
2/2 [==============================] - 0s 5ms/step
>16, 46/390, d1=0.630, d2=0.571, g=1.194
2/2 [==============================] - 0s 4ms/step
>16, 47/390, d1=0.687, d2=0.593, g=1.190
2/2 [==============================] - 0s 4ms/step
>16, 48/390, d1=0.613, d2=0.581, g=1.228
2/2 [==============================] - 0s 3ms/step
>16, 49/390, d1=0.511, d2=0.509, g=1.365
2/2 [==============================] - 0s 4ms/step
>16, 50/390, d1=0.444, d2=0.576, g=1.395
2/2 [==============================] - 0s 4ms/step
>16, 51/390, d1=0.587, d2=0.542, g=1.378
2/2 [==============================] - 0s 4ms/step
>16, 52/390, d1=0.624, d2=0.525, g=1.383
2/2 [==============================] - 0s 4ms/step
>16, 53/390, d1=0.620, d2=0.570, g=1.261
2/2 [==============================] - 0s 4ms/step
>16, 54/390, d1=0.523, d2=0.682, g=1.189
2/2 [==============================] - 0s 5ms/step
>16, 55/390, d1=0.605, d2=0.615, g=1.166
2/2 [==============================] - 0s 4ms/step
>16, 56/390, d1=0.699, d2=0.722, g=1.186
2/2 [==============================] - 0s 4ms/step
>16, 57/390, d1=0.673, d2=0.604, g=1.234
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2/2 [==============================] - 0s 4ms/step
>16, 58/390, d1=0.684, d2=0.547, g=1.247
2/2 [==============================] - 0s 5ms/step
>16, 59/390, d1=0.719, d2=0.576, g=1.245
2/2 [==============================] - 0s 4ms/step
>16, 60/390, d1=0.521, d2=0.541, g=1.395
2/2 [==============================] - 0s 4ms/step
>16, 61/390, d1=0.543, d2=0.432, g=1.238
2/2 [==============================] - 0s 4ms/step
>16, 62/390, d1=0.518, d2=0.516, g=1.201
2/2 [==============================] - 0s 4ms/step
>16, 63/390, d1=0.518, d2=0.559, g=1.139
2/2 [==============================] - 0s 4ms/step
>16, 64/390, d1=0.501, d2=0.632, g=1.260
2/2 [==============================] - 0s 4ms/step
>16, 65/390, d1=0.576, d2=0.659, g=1.146
2/2 [==============================] - 0s 4ms/step
>16, 66/390, d1=0.569, d2=0.657, g=1.224
2/2 [==============================] - 0s 4ms/step
>16, 67/390, d1=0.675, d2=0.649, g=1.265
2/2 [==============================] - 0s 5ms/step
>16, 68/390, d1=0.784, d2=0.615, g=1.127
2/2 [==============================] - 0s 4ms/step
>16, 69/390, d1=0.707, d2=0.541, g=1.164
2/2 [==============================] - 0s 4ms/step
>16, 70/390, d1=0.617, d2=0.692, g=1.081
2/2 [==============================] - 0s 4ms/step
>16, 71/390, d1=0.726, d2=0.607, g=1.170
2/2 [==============================] - 0s 4ms/step
>16, 72/390, d1=0.668, d2=0.521, g=1.304
2/2 [==============================] - 0s 3ms/step
>16, 73/390, d1=0.750, d2=0.503, g=1.172
2/2 [==============================] - 0s 4ms/step
>16, 74/390, d1=0.673, d2=0.630, g=1.068
2/2 [==============================] - 0s 4ms/step
>16, 75/390, d1=0.672, d2=0.584, g=1.090
2/2 [==============================] - 0s 4ms/step
>16, 76/390, d1=0.623, d2=0.631, g=1.147
2/2 [==============================] - 0s 4ms/step
>16, 77/390, d1=0.643, d2=0.527, g=1.187
2/2 [==============================] - 0s 4ms/step
>16, 78/390, d1=0.599, d2=0.509, g=1.164
2/2 [==============================] - 0s 4ms/step
>16, 79/390, d1=0.658, d2=0.521, g=1.182
2/2 [==============================] - 0s 4ms/step
>16, 80/390, d1=0.628, d2=0.518, g=1.315
2/2 [==============================] - 0s 4ms/step
>16, 81/390, d1=0.654, d2=0.464, g=1.248
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2/2 [==============================] - 0s 4ms/step
>16, 82/390, d1=0.492, d2=0.578, g=1.264
2/2 [==============================] - 0s 4ms/step
>16, 83/390, d1=0.602, d2=0.533, g=1.290
2/2 [==============================] - 0s 4ms/step
>16, 84/390, d1=0.629, d2=0.544, g=1.212
2/2 [==============================] - 0s 4ms/step
>16, 85/390, d1=0.477, d2=0.525, g=1.292
2/2 [==============================] - 0s 4ms/step
>16, 86/390, d1=0.575, d2=0.560, g=1.167
2/2 [==============================] - 0s 4ms/step
>16, 87/390, d1=0.702, d2=0.744, g=1.103
2/2 [==============================] - 0s 4ms/step
>16, 88/390, d1=0.570, d2=0.580, g=1.116
2/2 [==============================] - 0s 4ms/step
>16, 89/390, d1=0.531, d2=0.602, g=1.115
2/2 [==============================] - 0s 4ms/step
>16, 90/390, d1=0.649, d2=0.580, g=1.094
2/2 [==============================] - 0s 4ms/step
>16, 91/390, d1=0.590, d2=0.540, g=1.148
2/2 [==============================] - 0s 4ms/step
>16, 92/390, d1=0.664, d2=0.583, g=1.196
2/2 [==============================] - 0s 4ms/step
>16, 93/390, d1=0.670, d2=0.576, g=1.223
2/2 [==============================] - 0s 4ms/step
>16, 94/390, d1=0.673, d2=0.537, g=1.170
2/2 [==============================] - 0s 4ms/step
>16, 95/390, d1=0.658, d2=0.576, g=1.088
2/2 [==============================] - 0s 4ms/step
>16, 96/390, d1=0.679, d2=0.574, g=1.191
2/2 [==============================] - 0s 4ms/step
>16, 97/390, d1=0.559, d2=0.544, g=1.125
2/2 [==============================] - 0s 4ms/step
>16, 98/390, d1=0.684, d2=0.601, g=1.178
2/2 [==============================] - 0s 4ms/step
>16, 99/390, d1=0.646, d2=0.517, g=1.264
2/2 [==============================] - 0s 4ms/step
>16, 100/390, d1=0.685, d2=0.554, g=1.174
2/2 [==============================] - 0s 5ms/step
>16, 101/390, d1=0.648, d2=0.569, g=1.138
2/2 [==============================] - 0s 4ms/step
>16, 102/390, d1=0.511, d2=0.642, g=1.116
2/2 [==============================] - 0s 4ms/step
>16, 103/390, d1=0.613, d2=0.667, g=1.179
2/2 [==============================] - 0s 3ms/step
>16, 104/390, d1=0.721, d2=0.600, g=1.115
2/2 [==============================] - 0s 4ms/step
>16, 105/390, d1=0.653, d2=0.602, g=1.045
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2/2 [==============================] - 0s 4ms/step
>16, 106/390, d1=0.711, d2=0.606, g=1.051
2/2 [==============================] - 0s 5ms/step
>16, 107/390, d1=0.719, d2=0.640, g=1.114
2/2 [==============================] - 0s 4ms/step
>16, 108/390, d1=0.655, d2=0.545, g=1.108
2/2 [==============================] - 0s 4ms/step
>16, 109/390, d1=0.530, d2=0.522, g=1.157
2/2 [==============================] - 0s 4ms/step
>16, 110/390, d1=0.629, d2=0.509, g=1.206
2/2 [==============================] - 0s 4ms/step
>16, 111/390, d1=0.571, d2=0.472, g=1.159
2/2 [==============================] - 0s 4ms/step
>16, 112/390, d1=0.566, d2=0.540, g=1.165
2/2 [==============================] - 0s 4ms/step
>16, 113/390, d1=0.613, d2=0.580, g=1.153
2/2 [==============================] - 0s 4ms/step
>16, 114/390, d1=0.554, d2=0.677, g=1.100
2/2 [==============================] - 0s 4ms/step
>16, 115/390, d1=0.645, d2=0.577, g=1.130
2/2 [==============================] - 0s 5ms/step
>16, 116/390, d1=0.726, d2=0.575, g=1.040
2/2 [==============================] - 0s 4ms/step
>16, 117/390, d1=0.737, d2=0.594, g=1.112
2/2 [==============================] - 0s 5ms/step
>16, 118/390, d1=0.642, d2=0.652, g=1.164
2/2 [==============================] - 0s 4ms/step
>16, 119/390, d1=0.696, d2=0.546, g=1.165
2/2 [==============================] - 0s 4ms/step
>16, 120/390, d1=0.689, d2=0.590, g=1.132
2/2 [==============================] - 0s 4ms/step
>16, 121/390, d1=0.627, d2=0.553, g=1.140
2/2 [==============================] - 0s 4ms/step
>16, 122/390, d1=0.568, d2=0.506, g=1.198
2/2 [==============================] - 0s 3ms/step
>16, 123/390, d1=0.585, d2=0.514, g=1.158
2/2 [==============================] - 0s 4ms/step
>16, 124/390, d1=0.687, d2=0.527, g=1.133
2/2 [==============================] - 0s 4ms/step
>16, 125/390, d1=0.587, d2=0.537, g=1.101
2/2 [==============================] - 0s 4ms/step
>16, 126/390, d1=0.541, d2=0.533, g=1.198
2/2 [==============================] - 0s 4ms/step
>16, 127/390, d1=0.548, d2=0.459, g=1.186
2/2 [==============================] - 0s 4ms/step
>16, 128/390, d1=0.550, d2=0.482, g=1.120
2/2 [==============================] - 0s 4ms/step
>16, 129/390, d1=0.523, d2=0.625, g=1.120
```

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2/2 [==============================] - 0s 4ms/step
>16, 130/390, d1=0.568, d2=0.560, g=1.177
2/2 [==============================] - 0s 4ms/step
>16, 131/390, d1=0.614, d2=0.621, g=1.181
2/2 [==============================] - 0s 4ms/step
>16, 132/390, d1=0.598, d2=0.568, g=1.196
2/2 [==============================] - 0s 3ms/step
>16, 133/390, d1=0.728, d2=0.646, g=1.194
2/2 [==============================] - 0s 4ms/step
>16, 134/390, d1=0.656, d2=0.546, g=1.283
2/2 [==============================] - 0s 4ms/step
>16, 135/390, d1=0.761, d2=0.539, g=1.323
2/2 [==============================] - 0s 4ms/step
>16, 136/390, d1=0.777, d2=0.651, g=1.354
2/2 [==============================] - 0s 4ms/step
>16, 137/390, d1=0.779, d2=0.499, g=1.317
2/2 [==============================] - 0s 4ms/step
>16, 138/390, d1=0.549, d2=0.543, g=1.330
2/2 [==============================] - 0s 4ms/step
>16, 139/390, d1=0.614, d2=0.477, g=1.113
2/2 [==============================] - 0s 4ms/step
>16, 140/390, d1=0.652, d2=0.625, g=1.185
2/2 [==============================] - 0s 4ms/step
>16, 141/390, d1=0.576, d2=0.576, g=1.203
2/2 [==============================] - 0s 4ms/step
>16, 142/390, d1=0.600, d2=0.532, g=1.178
2/2 [==============================] - 0s 4ms/step
>16, 143/390, d1=0.644, d2=0.565, g=1.270
2/2 [==============================] - 0s 4ms/step
>16, 144/390, d1=0.547, d2=0.484, g=1.224
2/2 [==============================] - 0s 4ms/step
>16, 145/390, d1=0.609, d2=0.563, g=1.242
2/2 [==============================] - 0s 4ms/step
>16, 146/390, d1=0.542, d2=0.560, g=1.195
2/2 [==============================] - 0s 4ms/step
>16, 147/390, d1=0.525, d2=0.555, g=1.140
2/2 [==============================] - 0s 4ms/step
>16, 148/390, d1=0.531, d2=0.612, g=1.166
2/2 [==============================] - 0s 4ms/step
>16, 149/390, d1=0.530, d2=0.486, g=1.110
2/2 [==============================] - 0s 4ms/step
>16, 150/390, d1=0.591, d2=0.615, g=1.079
2/2 [==============================] - 0s 4ms/step
>16, 151/390, d1=0.585, d2=0.616, g=1.076
2/2 [==============================] - 0s 4ms/step
>16, 152/390, d1=0.530, d2=0.607, g=1.095
2/2 [==============================] - 0s 4ms/step
>16, 153/390, d1=0.558, d2=0.549, g=1.146
```

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2/2 [==============================] - 0s 4ms/step
>16, 154/390, d1=0.635, d2=0.469, g=1.108
2/2 [==============================] - 0s 4ms/step
>16, 155/390, d1=0.575, d2=0.579, g=1.118
2/2 [==============================] - 0s 4ms/step
>16, 156/390, d1=0.521, d2=0.593, g=1.113
2/2 [==============================] - 0s 4ms/step
>16, 157/390, d1=0.573, d2=0.586, g=1.117
2/2 [==============================] - 0s 4ms/step
>16, 158/390, d1=0.522, d2=0.541, g=1.155
2/2 [==============================] - 0s 4ms/step
>16, 159/390, d1=0.553, d2=0.575, g=1.064
2/2 [==============================] - 0s 4ms/step
>16, 160/390, d1=0.499, d2=0.575, g=1.124
2/2 [==============================] - 0s 4ms/step
>16, 161/390, d1=0.534, d2=0.546, g=1.104
2/2 [==============================] - 0s 4ms/step
>16, 162/390, d1=0.547, d2=0.610, g=1.157
2/2 [==============================] - 0s 4ms/step
>16, 163/390, d1=0.563, d2=0.573, g=1.101
2/2 [==============================] - 0s 4ms/step
>16, 164/390, d1=0.524, d2=0.624, g=1.079
2/2 [==============================] - 0s 3ms/step
>16, 165/390, d1=0.569, d2=0.608, g=1.088
2/2 [==============================] - 0s 4ms/step
>16, 166/390, d1=0.560, d2=0.701, g=1.067
2/2 [==============================] - 0s 4ms/step
>16, 167/390, d1=0.601, d2=0.574, g=1.057
2/2 [==============================] - 0s 4ms/step
>16, 168/390, d1=0.658, d2=0.605, g=1.072
2/2 [==============================] - 0s 4ms/step
>16, 169/390, d1=0.588, d2=0.681, g=1.122
2/2 [==============================] - 0s 4ms/step
>16, 170/390, d1=0.510, d2=0.573, g=1.151
2/2 [==============================] - 0s 4ms/step
>16, 171/390, d1=0.601, d2=0.652, g=1.185
2/2 [==============================] - 0s 3ms/step
>16, 172/390, d1=0.591, d2=0.474, g=1.204
2/2 [==============================] - 0s 5ms/step
>16, 173/390, d1=0.632, d2=0.559, g=1.246
2/2 [==============================] - 0s 4ms/step
>16, 174/390, d1=0.685, d2=0.621, g=1.236
2/2 [==============================] - 0s 4ms/step
>16, 175/390, d1=0.692, d2=0.527, g=1.176
2/2 [==============================] - 0s 3ms/step
>16, 176/390, d1=0.660, d2=0.684, g=1.273
2/2 [==============================] - 0s 4ms/step
>16, 177/390, d1=0.545, d2=0.536, g=1.220
```

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2/2 [==============================] - 0s 4ms/step
>16, 178/390, d1=0.579, d2=0.561, g=1.317
2/2 [==============================] - 0s 4ms/step
>16, 179/390, d1=0.654, d2=0.552, g=1.273
2/2 [==============================] - 0s 4ms/step
>16, 180/390, d1=0.612, d2=0.500, g=1.331
2/2 [==============================] - 0s 4ms/step
>16, 181/390, d1=0.595, d2=0.564, g=1.318
2/2 [==============================] - 0s 4ms/step
>16, 182/390, d1=0.646, d2=0.592, g=1.328
2/2 [==============================] - 0s 3ms/step
>16, 183/390, d1=0.625, d2=0.544, g=1.284
2/2 [==============================] - 0s 4ms/step
>16, 184/390, d1=0.782, d2=0.548, g=1.120
2/2 [==============================] - 0s 4ms/step
>16, 185/390, d1=0.614, d2=0.621, g=1.141
2/2 [==============================] - 0s 4ms/step
>16, 186/390, d1=0.559, d2=0.590, g=1.117
2/2 [==============================] - 0s 4ms/step
>16, 187/390, d1=0.561, d2=0.603, g=1.159
2/2 [==============================] - 0s 4ms/step
>16, 188/390, d1=0.592, d2=0.522, g=1.219
2/2 [==============================] - 0s 3ms/step
>16, 189/390, d1=0.731, d2=0.640, g=1.336
2/2 [==============================] - 0s 4ms/step
>16, 190/390, d1=0.549, d2=0.453, g=1.326
2/2 [==============================] - 0s 4ms/step
>16, 191/390, d1=0.535, d2=0.501, g=1.461
2/2 [==============================] - 0s 4ms/step
>16, 192/390, d1=0.582, d2=0.430, g=1.392
2/2 [==============================] - 0s 4ms/step
>16, 193/390, d1=0.443, d2=0.479, g=1.438
2/2 [==============================] - 0s 4ms/step
>16, 194/390, d1=0.424, d2=0.518, g=1.379
2/2 [==============================] - 0s 4ms/step
>16, 195/390, d1=0.587, d2=0.673, g=1.381
2/2 [==============================] - 0s 4ms/step
>16, 196/390, d1=0.428, d2=0.580, g=1.601
2/2 [==============================] - 0s 3ms/step
>16, 197/390, d1=0.580, d2=0.378, g=1.499
2/2 [==============================] - 0s 4ms/step
>16, 198/390, d1=0.615, d2=0.440, g=1.326
2/2 [==============================] - 0s 4ms/step
>16, 199/390, d1=0.593, d2=0.584, g=1.205
2/2 [==============================] - 0s 4ms/step
>16, 200/390, d1=0.547, d2=0.659, g=1.203
2/2 [==============================] - 0s 3ms/step
>16, 201/390, d1=0.541, d2=0.548, g=1.259
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2/2 [==============================] - 0s 4ms/step
>16, 202/390, d1=0.509, d2=0.514, g=1.413
2/2 [==============================] - 0s 4ms/step
>16, 203/390, d1=0.680, d2=0.509, g=1.351
2/2 [==============================] - 0s 4ms/step
>16, 204/390, d1=0.644, d2=0.624, g=1.214
2/2 [==============================] - 0s 4ms/step
>16, 205/390, d1=0.567, d2=0.579, g=1.357
2/2 [==============================] - 0s 4ms/step
>16, 206/390, d1=0.620, d2=0.546, g=1.413
2/2 [==============================] - 0s 4ms/step
>16, 207/390, d1=0.660, d2=0.629, g=1.338
2/2 [==============================] - 0s 3ms/step
>16, 208/390, d1=0.757, d2=0.469, g=1.280
2/2 [==============================] - 0s 4ms/step
>16, 209/390, d1=0.623, d2=0.572, g=1.241
2/2 [==============================] - 0s 4ms/step
>16, 210/390, d1=0.750, d2=0.650, g=1.169
2/2 [==============================] - 0s 4ms/step
>16, 211/390, d1=0.582, d2=0.611, g=1.217
2/2 [==============================] - 0s 4ms/step
>16, 212/390, d1=0.529, d2=0.607, g=1.305
2/2 [==============================] - 0s 4ms/step
>16, 213/390, d1=0.633, d2=0.581, g=1.203
2/2 [==============================] - 0s 4ms/step
>16, 214/390, d1=0.691, d2=0.562, g=1.216
2/2 [==============================] - 0s 4ms/step
>16, 215/390, d1=0.645, d2=0.583, g=1.126
2/2 [==============================] - 0s 4ms/step
>16, 216/390, d1=0.731, d2=0.623, g=1.194
2/2 [==============================] - 0s 4ms/step
>16, 217/390, d1=0.616, d2=0.585, g=1.240
2/2 [==============================] - 0s 4ms/step
>16, 218/390, d1=0.644, d2=0.633, g=1.254
2/2 [==============================] - 0s 4ms/step
>16, 219/390, d1=0.563, d2=0.538, g=1.273
2/2 [==============================] - 0s 4ms/step
>16, 220/390, d1=0.589, d2=0.562, g=1.356
2/2 [==============================] - 0s 4ms/step
>16, 221/390, d1=0.484, d2=0.434, g=1.437
2/2 [==============================] - 0s 4ms/step
>16, 222/390, d1=0.404, d2=0.409, g=1.344
2/2 [==============================] - 0s 4ms/step
>16, 223/390, d1=0.416, d2=0.575, g=1.379
2/2 [==============================] - 0s 4ms/step
>16, 224/390, d1=0.357, d2=0.495, g=1.330
2/2 [==============================] - 0s 4ms/step
>16, 225/390, d1=0.444, d2=0.544, g=1.292
```

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2/2 [==============================] - 0s 4ms/step
>16, 226/390, d1=0.479, d2=0.516, g=1.192
2/2 [==============================] - 0s 4ms/step
>16, 227/390, d1=0.531, d2=0.612, g=1.122
2/2 [==============================] - 0s 4ms/step
>16, 228/390, d1=0.476, d2=0.629, g=1.258
2/2 [==============================] - 0s 4ms/step
>16, 229/390, d1=0.590, d2=0.533, g=1.230
2/2 [==============================] - 0s 4ms/step
>16, 230/390, d1=0.554, d2=0.510, g=1.189
2/2 [==============================] - 0s 4ms/step
>16, 231/390, d1=0.512, d2=0.562, g=1.217
2/2 [==============================] - 0s 4ms/step
>16, 232/390, d1=0.525, d2=0.557, g=1.248
2/2 [==============================] - 0s 4ms/step
>16, 233/390, d1=0.507, d2=0.501, g=1.367
2/2 [==============================] - 0s 4ms/step
>16, 234/390, d1=0.547, d2=0.509, g=1.310
2/2 [==============================] - 0s 4ms/step
>16, 235/390, d1=0.587, d2=0.528, g=1.235
2/2 [==============================] - 0s 4ms/step
>16, 236/390, d1=0.516, d2=0.591, g=1.118
2/2 [==============================] - 0s 4ms/step
>16, 237/390, d1=0.581, d2=0.739, g=1.139
2/2 [==============================] - 0s 4ms/step
>16, 238/390, d1=0.611, d2=0.686, g=1.230
2/2 [==============================] - 0s 4ms/step
>16, 239/390, d1=0.648, d2=0.595, g=1.240
2/2 [==============================] - 0s 3ms/step
>16, 240/390, d1=0.641, d2=0.644, g=1.452
2/2 [==============================] - 0s 4ms/step
>16, 241/390, d1=0.820, d2=0.452, g=1.503
2/2 [==============================] - 0s 4ms/step
>16, 242/390, d1=0.765, d2=0.440, g=1.508
2/2 [==============================] - 0s 4ms/step
>16, 243/390, d1=0.727, d2=0.477, g=1.503
2/2 [==============================] - 0s 4ms/step
>16, 244/390, d1=0.713, d2=0.528, g=1.472
2/2 [==============================] - 0s 4ms/step
>16, 245/390, d1=0.610, d2=0.538, g=1.227
2/2 [==============================] - 0s 4ms/step
>16, 246/390, d1=0.653, d2=0.597, g=1.268
2/2 [==============================] - 0s 4ms/step
>16, 247/390, d1=0.618, d2=0.728, g=1.175
2/2 [==============================] - 0s 5ms/step
>16, 248/390, d1=0.675, d2=0.670, g=1.109
2/2 [==============================] - 0s 4ms/step
>16, 249/390, d1=0.785, d2=0.535, g=1.197
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2/2 [==============================] - 0s 4ms/step
>16, 250/390, d1=0.707, d2=0.603, g=1.218
2/2 [==============================] - 0s 4ms/step
>16, 251/390, d1=0.627, d2=0.645, g=1.321
2/2 [==============================] - 0s 4ms/step
>16, 252/390, d1=0.733, d2=0.536, g=1.356
2/2 [==============================] - 0s 4ms/step
>16, 253/390, d1=0.625, d2=0.532, g=1.273
2/2 [==============================] - 0s 4ms/step
>16, 254/390, d1=0.646, d2=0.554, g=1.274
2/2 [==============================] - 0s 4ms/step
>16, 255/390, d1=0.609, d2=0.547, g=1.280
2/2 [==============================] - 0s 4ms/step
>16, 256/390, d1=0.644, d2=0.537, g=1.360
2/2 [==============================] - 0s 4ms/step
>16, 257/390, d1=0.691, d2=0.525, g=1.523
2/2 [==============================] - 0s 4ms/step
>16, 258/390, d1=0.630, d2=0.518, g=1.582
2/2 [==============================] - 0s 4ms/step
>16, 259/390, d1=0.628, d2=0.437, g=1.684
2/2 [==============================] - 0s 4ms/step
>16, 260/390, d1=0.698, d2=0.584, g=1.484
2/2 [==============================] - 0s 4ms/step
>16, 261/390, d1=0.706, d2=0.552, g=1.407
2/2 [==============================] - 0s 3ms/step
>16, 262/390, d1=0.766, d2=0.568, g=1.273
2/2 [==============================] - 0s 4ms/step
>16, 263/390, d1=0.643, d2=0.574, g=1.208
2/2 [==============================] - 0s 3ms/step
>16, 264/390, d1=0.597, d2=0.582, g=1.213
2/2 [==============================] - 0s 4ms/step
>16, 265/390, d1=0.707, d2=0.589, g=1.207
2/2 [==============================] - 0s 3ms/step
>16, 266/390, d1=0.656, d2=0.615, g=1.179
2/2 [==============================] - 0s 4ms/step
>16, 267/390, d1=0.637, d2=0.525, g=1.219
2/2 [==============================] - 0s 4ms/step
>16, 268/390, d1=0.621, d2=0.590, g=1.218
2/2 [==============================] - 0s 4ms/step
>16, 269/390, d1=0.583, d2=0.539, g=1.257
2/2 [==============================] - 0s 4ms/step
>16, 270/390, d1=0.619, d2=0.460, g=1.289
2/2 [==============================] - 0s 4ms/step
>16, 271/390, d1=0.526, d2=0.511, g=1.132
2/2 [==============================] - 0s 4ms/step
>16, 272/390, d1=0.546, d2=0.549, g=1.142
2/2 [==============================] - 0s 3ms/step
>16, 273/390, d1=0.538, d2=0.680, g=1.204
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2/2 [==============================] - 0s 4ms/step
>16, 274/390, d1=0.551, d2=0.489, g=1.208
2/2 [==============================] - 0s 4ms/step
>16, 275/390, d1=0.732, d2=0.608, g=1.187
2/2 [==============================] - 0s 5ms/step
>16, 276/390, d1=0.697, d2=0.704, g=1.195
2/2 [==============================] - 0s 4ms/step
>16, 277/390, d1=0.723, d2=0.629, g=1.172
2/2 [==============================] - 0s 4ms/step
>16, 278/390, d1=0.726, d2=0.577, g=1.212
2/2 [==============================] - 0s 4ms/step
>16, 279/390, d1=0.752, d2=0.574, g=1.225
2/2 [==============================] - 0s 4ms/step
>16, 280/390, d1=0.751, d2=0.505, g=1.315
2/2 [==============================] - 0s 4ms/step
>16, 281/390, d1=0.699, d2=0.474, g=1.314
2/2 [==============================] - 0s 4ms/step
>16, 282/390, d1=0.618, d2=0.432, g=1.354
2/2 [==============================] - 0s 4ms/step
>16, 283/390, d1=0.485, d2=0.474, g=1.374
2/2 [==============================] - 0s 4ms/step
>16, 284/390, d1=0.479, d2=0.428, g=1.252
2/2 [==============================] - 0s 4ms/step
>16, 285/390, d1=0.462, d2=0.637, g=1.220
2/2 [==============================] - 0s 4ms/step
>16, 286/390, d1=0.485, d2=0.634, g=1.292
2/2 [==============================] - 0s 4ms/step
>16, 287/390, d1=0.655, d2=0.589, g=1.126
2/2 [==============================] - 0s 4ms/step
>16, 288/390, d1=0.607, d2=0.643, g=1.117
2/2 [==============================] - 0s 4ms/step
>16, 289/390, d1=0.549, d2=0.638, g=1.084
2/2 [==============================] - 0s 4ms/step
>16, 290/390, d1=0.606, d2=0.617, g=1.047
2/2 [==============================] - 0s 4ms/step
>16, 291/390, d1=0.678, d2=0.602, g=1.243
2/2 [==============================] - 0s 4ms/step
>16, 292/390, d1=0.729, d2=0.541, g=1.302
2/2 [==============================] - 0s 4ms/step
>16, 293/390, d1=0.638, d2=0.493, g=1.394
2/2 [==============================] - 0s 3ms/step
>16, 294/390, d1=0.676, d2=0.486, g=1.310
2/2 [==============================] - 0s 4ms/step
>16, 295/390, d1=0.590, d2=0.467, g=1.365
2/2 [==============================] - 0s 4ms/step
>16, 296/390, d1=0.589, d2=0.518, g=1.271
2/2 [==============================] - 0s 4ms/step
>16, 297/390, d1=0.523, d2=0.500, g=1.287
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2/2 [==============================] - 0s 4ms/step
>16, 298/390, d1=0.572, d2=0.508, g=1.175
2/2 [==============================] - 0s 4ms/step
>16, 299/390, d1=0.541, d2=0.642, g=1.094
2/2 [==============================] - 0s 4ms/step
>16, 300/390, d1=0.616, d2=0.744, g=1.100
2/2 [==============================] - 0s 4ms/step
>16, 301/390, d1=0.678, d2=0.654, g=1.132
2/2 [==============================] - 0s 4ms/step
>16, 302/390, d1=0.574, d2=0.561, g=1.108
2/2 [==============================] - 0s 4ms/step
>16, 303/390, d1=0.643, d2=0.568, g=1.134
2/2 [==============================] - 0s 4ms/step
>16, 304/390, d1=0.732, d2=0.567, g=1.202
2/2 [==============================] - 0s 4ms/step
>16, 305/390, d1=0.577, d2=0.536, g=1.187
2/2 [==============================] - 0s 4ms/step
>16, 306/390, d1=0.594, d2=0.639, g=1.198
2/2 [==============================] - 0s 4ms/step
>16, 307/390, d1=0.646, d2=0.565, g=1.302
2/2 [==============================] - 0s 4ms/step
>16, 308/390, d1=0.720, d2=0.501, g=1.147
2/2 [==============================] - 0s 4ms/step
>16, 309/390, d1=0.612, d2=0.606, g=1.176
2/2 [==============================] - 0s 4ms/step
>16, 310/390, d1=0.547, d2=0.570, g=1.170
2/2 [==============================] - 0s 4ms/step
>16, 311/390, d1=0.595, d2=0.717, g=1.385
2/2 [==============================] - 0s 4ms/step
>16, 312/390, d1=0.695, d2=0.448, g=1.455
2/2 [==============================] - 0s 4ms/step
>16, 313/390, d1=0.738, d2=0.398, g=1.279
2/2 [==============================] - 0s 4ms/step
>16, 314/390, d1=0.661, d2=0.612, g=1.267
2/2 [==============================] - 0s 4ms/step
>16, 315/390, d1=0.722, d2=0.630, g=1.283
2/2 [==============================] - 0s 5ms/step
>16, 316/390, d1=0.659, d2=0.541, g=1.265
2/2 [==============================] - 0s 5ms/step
>16, 317/390, d1=0.634, d2=0.491, g=1.255
2/2 [==============================] - 0s 4ms/step
>16, 318/390, d1=0.637, d2=0.591, g=1.233
2/2 [==============================] - 0s 4ms/step
>16, 319/390, d1=0.615, d2=0.569, g=1.123
2/2 [==============================] - 0s 4ms/step
>16, 320/390, d1=0.738, d2=0.532, g=1.085
2/2 [==============================] - 0s 4ms/step
>16, 321/390, d1=0.597, d2=0.591, g=1.148
```

```
2/2 [==============================] - 0s 4ms/step
>16, 322/390, d1=0.665, d2=0.598, g=1.293
2/2 [==============================] - 0s 4ms/step
>16, 323/390, d1=0.559, d2=0.486, g=1.342
2/2 [==============================] - 0s 4ms/step
>16, 324/390, d1=0.518, d2=0.613, g=1.397
2/2 [==============================] - 0s 4ms/step
>16, 325/390, d1=0.716, d2=0.440, g=1.338
2/2 [==============================] - 0s 4ms/step
>16, 326/390, d1=0.689, d2=0.573, g=1.241
2/2 [==============================] - 0s 4ms/step
>16, 327/390, d1=0.639, d2=0.559, g=1.306
2/2 [==============================] - 0s 4ms/step
>16, 328/390, d1=0.692, d2=0.499, g=1.266
2/2 [==============================] - 0s 4ms/step
>16, 329/390, d1=0.659, d2=0.594, g=1.151
2/2 [==============================] - 0s 4ms/step
>16, 330/390, d1=0.570, d2=0.532, g=1.273
2/2 [==============================] - 0s 4ms/step
>16, 331/390, d1=0.591, d2=0.560, g=1.210
2/2 [==============================] - 0s 4ms/step
>16, 332/390, d1=0.681, d2=0.555, g=1.297
2/2 [==============================] - 0s 4ms/step
>16, 333/390, d1=0.615, d2=0.511, g=1.245
2/2 [==============================] - 0s 4ms/step
>16, 334/390, d1=0.628, d2=0.507, g=1.177
2/2 [==============================] - 0s 4ms/step
>16, 335/390, d1=0.647, d2=0.584, g=1.151
2/2 [==============================] - 0s 4ms/step
>16, 336/390, d1=0.675, d2=0.542, g=1.187
2/2 [==============================] - 0s 4ms/step
>16, 337/390, d1=0.623, d2=0.538, g=1.135
2/2 [==============================] - 0s 4ms/step
>16, 338/390, d1=0.672, d2=0.641, g=1.135
2/2 [==============================] - 0s 4ms/step
>16, 339/390, d1=0.558, d2=0.555, g=1.191
2/2 [==============================] - 0s 4ms/step
>16, 340/390, d1=0.698, d2=0.559, g=1.228
2/2 [==============================] - 0s 4ms/step
>16, 341/390, d1=0.699, d2=0.529, g=1.132
2/2 [==============================] - 0s 4ms/step
>16, 342/390, d1=0.568, d2=0.553, g=1.153
2/2 [==============================] - 0s 4ms/step
>16, 343/390, d1=0.620, d2=0.628, g=1.109
2/2 [==============================] - 0s 4ms/step
>16, 344/390, d1=0.669, d2=0.531, g=1.064
2/2 [==============================] - 0s 4ms/step
>16, 345/390, d1=0.552, d2=0.563, g=1.037
```

```
2/2 [==============================] - 0s 4ms/step
>16, 346/390, d1=0.656, d2=0.633, g=1.035
2/2 [==============================] - 0s 4ms/step
>16, 347/390, d1=0.610, d2=0.573, g=1.017
2/2 [==============================] - 0s 4ms/step
>16, 348/390, d1=0.562, d2=0.598, g=1.018
2/2 [==============================] - 0s 4ms/step
>16, 349/390, d1=0.568, d2=0.590, g=1.006
2/2 [==============================] - 0s 3ms/step
>16, 350/390, d1=0.613, d2=0.609, g=0.994
2/2 [==============================] - 0s 4ms/step
>16, 351/390, d1=0.555, d2=0.697, g=1.056
2/2 [==============================] - 0s 4ms/step
>16, 352/390, d1=0.583, d2=0.624, g=1.111
2/2 [==============================] - 0s 3ms/step
>16, 353/390, d1=0.807, d2=0.542, g=1.123
2/2 [==============================] - 0s 4ms/step
>16, 354/390, d1=0.677, d2=0.554, g=1.115
2/2 [==============================] - 0s 4ms/step
>16, 355/390, d1=0.615, d2=0.555, g=1.050
2/2 [==============================] - 0s 4ms/step
>16, 356/390, d1=0.576, d2=0.625, g=1.109
2/2 [==============================] - 0s 4ms/step
>16, 357/390, d1=0.602, d2=0.622, g=1.192
2/2 [==============================] - 0s 4ms/step
>16, 358/390, d1=0.593, d2=0.530, g=1.175
2/2 [==============================] - 0s 4ms/step
>16, 359/390, d1=0.596, d2=0.582, g=1.240
2/2 [==============================] - 0s 3ms/step
>16, 360/390, d1=0.674, d2=0.555, g=1.204
2/2 [==============================] - 0s 4ms/step
>16, 361/390, d1=0.573, d2=0.499, g=1.201
2/2 [==============================] - 0s 4ms/step
>16, 362/390, d1=0.500, d2=0.602, g=1.232
2/2 [==============================] - 0s 4ms/step
>16, 363/390, d1=0.626, d2=0.570, g=1.269
2/2 [==============================] - 0s 4ms/step
>16, 364/390, d1=0.534, d2=0.483, g=1.256
2/2 [==============================] - 0s 4ms/step
>16, 365/390, d1=0.640, d2=0.477, g=1.318
2/2 [==============================] - 0s 4ms/step
>16, 366/390, d1=0.585, d2=0.530, g=1.350
2/2 [==============================] - 0s 3ms/step
>16, 367/390, d1=0.540, d2=0.437, g=1.268
2/2 [==============================] - 0s 3ms/step
>16, 368/390, d1=0.591, d2=0.502, g=1.248
2/2 [==============================] - 0s 4ms/step
>16, 369/390, d1=0.568, d2=0.569, g=1.234
```

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2/2 [==============================] - 0s 4ms/step
>16, 370/390, d1=0.623, d2=0.541, g=1.314
2/2 [==============================] - 0s 5ms/step
>16, 371/390, d1=0.584, d2=0.527, g=1.265
2/2 [==============================] - 0s 4ms/step
>16, 372/390, d1=0.492, d2=0.546, g=1.263
2/2 [==============================] - 0s 4ms/step
>16, 373/390, d1=0.544, d2=0.462, g=1.235
2/2 [==============================] - 0s 4ms/step
>16, 374/390, d1=0.603, d2=0.672, g=1.225
2/2 [==============================] - 0s 4ms/step
>16, 375/390, d1=0.632, d2=0.660, g=1.191
2/2 [==============================] - 0s 4ms/step
>16, 376/390, d1=0.564, d2=0.595, g=1.360
2/2 [==============================] - 0s 4ms/step
>16, 377/390, d1=0.610, d2=0.474, g=1.183
2/2 [==============================] - 0s 4ms/step
>16, 378/390, d1=0.634, d2=0.489, g=1.203
2/2 [==============================] - 0s 4ms/step
>16, 379/390, d1=0.617, d2=0.639, g=1.185
2/2 [==============================] - 0s 4ms/step
>16, 380/390, d1=0.582, d2=0.612, g=1.447
2/2 [==============================] - 0s 4ms/step
>16, 381/390, d1=0.782, d2=0.461, g=1.337
2/2 [==============================] - 0s 4ms/step
>16, 382/390, d1=0.647, d2=0.510, g=1.302
2/2 [==============================] - 0s 4ms/step
>16, 383/390, d1=0.497, d2=0.488, g=1.286
2/2 [==============================] - 0s 4ms/step
>16, 384/390, d1=0.510, d2=0.527, g=1.294
2/2 [==============================] - 0s 3ms/step
>16, 385/390, d1=0.510, d2=0.490, g=1.292
2/2 [==============================] - 0s 4ms/step
>16, 386/390, d1=0.539, d2=0.526, g=1.255
2/2 [==============================] - 0s 4ms/step
>16, 387/390, d1=0.531, d2=0.521, g=1.213
2/2 [==============================] - 0s 4ms/step
>16, 388/390, d1=0.585, d2=0.620, g=1.214
2/2 [==============================] - 0s 4ms/step
>16, 389/390, d1=0.596, d2=0.661, g=1.274
2/2 [==============================] - 0s 4ms/step
>16, 390/390, d1=0.692, d2=0.565, g=1.250
2/2 [==============================] - 0s 4ms/step
>18, 1/390, d1=0.755, d2=0.629, g=1.320
2/2 [==============================] - 0s 4ms/step
>18, 2/390, d1=0.670, d2=0.486, g=1.361
2/2 [==============================] - 0s 4ms/step
>18, 3/390, d1=0.751, d2=0.448, g=1.379
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2/2 [==============================] - 0s 4ms/step
>18, 4/390, d1=0.699, d2=0.609, g=1.383
2/2 [==============================] - 0s 4ms/step
>18, 5/390, d1=0.657, d2=0.474, g=1.284
2/2 [==============================] - 0s 4ms/step
>18, 6/390, d1=0.677, d2=0.510, g=1.374
2/2 [==============================] - 0s 4ms/step
>18, 7/390, d1=0.596, d2=0.542, g=1.406
2/2 [==============================] - 0s 4ms/step
>18, 8/390, d1=0.625, d2=0.416, g=1.462
2/2 [==============================] - 0s 4ms/step
>18, 9/390, d1=0.595, d2=0.511, g=1.452
2/2 [==============================] - 0s 4ms/step
>18, 10/390, d1=0.624, d2=0.609, g=1.566
2/2 [==============================] - 0s 4ms/step
>18, 11/390, d1=0.656, d2=0.395, g=1.635
2/2 [==============================] - 0s 4ms/step
>18, 12/390, d1=0.678, d2=0.403, g=1.560
2/2 [==============================] - 0s 4ms/step
>18, 13/390, d1=0.555, d2=0.434, g=1.314
2/2 [==============================] - 0s 4ms/step
>18, 14/390, d1=0.532, d2=0.550, g=1.496
2/2 [==============================] - 0s 4ms/step
>18, 15/390, d1=0.465, d2=0.352, g=1.576
2/2 [==============================] - 0s 4ms/step
>18, 16/390, d1=0.504, d2=0.634, g=1.619
2/2 [==============================] - 0s 4ms/step
>18, 17/390, d1=0.555, d2=0.411, g=1.520
2/2 [==============================] - 0s 4ms/step
>18, 18/390, d1=0.597, d2=0.489, g=1.511
2/2 [==============================] - 0s 4ms/step
>18, 19/390, d1=0.546, d2=0.421, g=1.471
2/2 [==============================] - 0s 4ms/step
>18, 20/390, d1=0.487, d2=0.575, g=1.416
2/2 [==============================] - 0s 4ms/step
>18, 21/390, d1=0.472, d2=0.512, g=1.415
2/2 [==============================] - 0s 3ms/step
>18, 22/390, d1=0.460, d2=0.536, g=1.516
2/2 [==============================] - 0s 4ms/step
>18, 23/390, d1=0.508, d2=0.505, g=1.342
2/2 [==============================] - 0s 4ms/step
>18, 24/390, d1=0.691, d2=0.629, g=1.302
2/2 [==============================] - 0s 4ms/step
>18, 25/390, d1=0.659, d2=0.617, g=1.336
2/2 [==============================] - 0s 4ms/step
>18, 26/390, d1=0.769, d2=0.596, g=1.383
2/2 [==============================] - 0s 4ms/step
>18, 27/390, d1=0.649, d2=0.703, g=1.288
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2/2 [==============================] - 0s 4ms/step
>18, 28/390, d1=0.581, d2=0.575, g=1.282
2/2 [==============================] - 0s 4ms/step
>18, 29/390, d1=0.700, d2=0.603, g=1.132
2/2 [==============================] - 0s 4ms/step
>18, 30/390, d1=0.640, d2=0.706, g=1.188
2/2 [==============================] - 0s 4ms/step
>18, 31/390, d1=0.765, d2=0.702, g=1.225
2/2 [==============================] - 0s 3ms/step
>18, 32/390, d1=0.743, d2=0.634, g=1.210
2/2 [==============================] - 0s 4ms/step
>18, 33/390, d1=0.798, d2=0.627, g=1.312
2/2 [==============================] - 0s 4ms/step
>18, 34/390, d1=0.685, d2=0.596, g=1.367
2/2 [==============================] - 0s 4ms/step
>18, 35/390, d1=0.676, d2=0.482, g=1.272
2/2 [==============================] - 0s 4ms/step
>18, 36/390, d1=0.640, d2=0.524, g=1.354
2/2 [==============================] - 0s 4ms/step
>18, 37/390, d1=0.625, d2=0.554, g=1.184
2/2 [==============================] - 0s 4ms/step
>18, 38/390, d1=0.569, d2=0.553, g=1.117
2/2 [==============================] - 0s 4ms/step
>18, 39/390, d1=0.411, d2=0.564, g=1.108
2/2 [==============================] - 0s 4ms/step
>18, 40/390, d1=0.542, d2=0.566, g=1.131
2/2 [==============================] - 0s 4ms/step
>18, 41/390, d1=0.563, d2=0.592, g=1.189
2/2 [==============================] - 0s 4ms/step
>18, 42/390, d1=0.614, d2=0.590, g=1.191
2/2 [==============================] - 0s 3ms/step
>18, 43/390, d1=0.486, d2=0.606, g=1.192
2/2 [==============================] - 0s 3ms/step
>18, 44/390, d1=0.437, d2=0.498, g=1.269
2/2 [==============================] - 0s 4ms/step
>18, 45/390, d1=0.560, d2=0.585, g=1.307
2/2 [==============================] - 0s 4ms/step
>18, 46/390, d1=0.612, d2=0.662, g=1.366
2/2 [==============================] - 0s 4ms/step
>18, 47/390, d1=0.711, d2=0.571, g=1.362
2/2 [==============================] - 0s 4ms/step
>18, 48/390, d1=0.734, d2=0.494, g=1.259
2/2 [==============================] - 0s 4ms/step
>18, 49/390, d1=0.798, d2=0.634, g=1.246
2/2 [==============================] - 0s 4ms/step
>18, 50/390, d1=0.748, d2=0.613, g=1.260
2/2 [==============================] - 0s 4ms/step
>18, 51/390, d1=0.571, d2=0.571, g=1.369
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2/2 [==============================] - 0s 4ms/step
>18, 52/390, d1=0.780, d2=0.529, g=1.208
2/2 [==============================] - 0s 4ms/step
>18, 53/390, d1=0.667, d2=0.693, g=1.162
2/2 [==============================] - 0s 4ms/step
>18, 54/390, d1=0.747, d2=0.516, g=1.282
2/2 [==============================] - 0s 4ms/step
>18, 55/390, d1=0.584, d2=0.578, g=1.318
2/2 [==============================] - 0s 4ms/step
>18, 56/390, d1=0.694, d2=0.618, g=1.317
2/2 [==============================] - 0s 4ms/step
>18, 57/390, d1=0.738, d2=0.459, g=1.276
2/2 [==============================] - 0s 4ms/step
>18, 58/390, d1=0.500, d2=0.474, g=1.321
2/2 [==============================] - 0s 4ms/step
>18, 59/390, d1=0.559, d2=0.563, g=1.298
2/2 [==============================] - 0s 4ms/step
>18, 60/390, d1=0.587, d2=0.554, g=1.295
2/2 [==============================] - 0s 5ms/step
>18, 61/390, d1=0.695, d2=0.525, g=1.471
2/2 [==============================] - 0s 5ms/step
>18, 62/390, d1=0.554, d2=0.525, g=1.447
2/2 [==============================] - 0s 4ms/step
>18, 63/390, d1=0.703, d2=0.514, g=1.497
2/2 [==============================] - 0s 4ms/step
>18, 64/390, d1=0.755, d2=0.531, g=1.413
2/2 [==============================] - 0s 4ms/step
>18, 65/390, d1=0.547, d2=0.526, g=1.651
2/2 [==============================] - 0s 4ms/step
>18, 66/390, d1=0.773, d2=0.405, g=1.501
2/2 [==============================] - 0s 4ms/step
>18, 67/390, d1=0.569, d2=0.370, g=1.449
2/2 [==============================] - 0s 3ms/step
>18, 68/390, d1=0.698, d2=0.544, g=1.386
2/2 [==============================] - 0s 4ms/step
>18, 69/390, d1=0.574, d2=0.581, g=1.532
2/2 [==============================] - 0s 4ms/step
>18, 70/390, d1=0.610, d2=0.385, g=1.547
2/2 [==============================] - 0s 4ms/step
>18, 71/390, d1=0.624, d2=0.427, g=1.475
2/2 [==============================] - 0s 4ms/step
>18, 72/390, d1=0.566, d2=0.481, g=1.533
2/2 [==============================] - 0s 4ms/step
>18, 73/390, d1=0.566, d2=0.449, g=1.451
2/2 [==============================] - 0s 4ms/step
>18, 74/390, d1=0.528, d2=0.534, g=1.361
2/2 [==============================] - 0s 4ms/step
>18, 75/390, d1=0.562, d2=0.741, g=1.614
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2/2 [==============================] - 0s 4ms/step
>18, 76/390, d1=0.704, d2=0.405, g=1.643
2/2 [==============================] - 0s 4ms/step
>18, 77/390, d1=0.678, d2=0.500, g=1.493
2/2 [==============================] - 0s 4ms/step
>18, 78/390, d1=0.632, d2=0.526, g=1.373
2/2 [==============================] - 0s 4ms/step
>18, 79/390, d1=0.491, d2=0.590, g=1.350
2/2 [==============================] - 0s 4ms/step
>18, 80/390, d1=0.571, d2=0.553, g=1.340
2/2 [==============================] - 0s 4ms/step
>18, 81/390, d1=0.632, d2=0.511, g=1.388
2/2 [==============================] - 0s 4ms/step
>18, 82/390, d1=0.649, d2=0.618, g=1.368
2/2 [==============================] - 0s 4ms/step
>18, 83/390, d1=0.505, d2=0.403, g=1.537
2/2 [==============================] - 0s 4ms/step
>18, 84/390, d1=0.520, d2=0.435, g=1.568
2/2 [==============================] - 0s 4ms/step
>18, 85/390, d1=0.423, d2=0.504, g=1.369
2/2 [==============================] - 0s 4ms/step
>18, 86/390, d1=0.597, d2=0.648, g=1.413
2/2 [==============================] - 0s 4ms/step
>18, 87/390, d1=0.449, d2=0.503, g=1.411
2/2 [==============================] - 0s 4ms/step
>18, 88/390, d1=0.513, d2=0.446, g=1.320
2/2 [==============================] - 0s 4ms/step
>18, 89/390, d1=0.590, d2=0.578, g=1.172
2/2 [==============================] - 0s 4ms/step
>18, 90/390, d1=0.486, d2=0.758, g=1.160
2/2 [==============================] - 0s 4ms/step
>18, 91/390, d1=0.612, d2=0.836, g=1.175
2/2 [==============================] - 0s 4ms/step
>18, 92/390, d1=0.688, d2=0.603, g=1.228
2/2 [==============================] - 0s 4ms/step
>18, 93/390, d1=0.668, d2=0.643, g=1.289
2/2 [==============================] - 0s 4ms/step
>18, 94/390, d1=0.664, d2=0.521, g=1.304
2/2 [==============================] - 0s 4ms/step
>18, 95/390, d1=0.720, d2=0.526, g=1.434
2/2 [==============================] - 0s 4ms/step
>18, 96/390, d1=0.514, d2=0.462, g=1.491
2/2 [==============================] - 0s 4ms/step
>18, 97/390, d1=0.565, d2=0.562, g=1.428
2/2 [==============================] - 0s 4ms/step
>18, 98/390, d1=0.435, d2=0.464, g=1.406
2/2 [==============================] - 0s 3ms/step
>18, 99/390, d1=0.490, d2=0.526, g=1.424
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2/2 [==============================] - 0s 5ms/step
>18, 100/390, d1=0.629, d2=0.774, g=1.507
2/2 [==============================] - 0s 4ms/step
>18, 101/390, d1=0.606, d2=0.704, g=1.917
2/2 [==============================] - 0s 4ms/step
>18, 102/390, d1=0.853, d2=0.272, g=1.966
2/2 [==============================] - 0s 4ms/step
>18, 103/390, d1=0.729, d2=0.415, g=1.669
2/2 [==============================] - 0s 4ms/step
>18, 104/390, d1=0.670, d2=0.414, g=1.541
2/2 [==============================] - 0s 4ms/step
>18, 105/390, d1=0.583, d2=0.379, g=1.490
2/2 [==============================] - 0s 4ms/step
>18, 106/390, d1=0.518, d2=0.427, g=1.533
2/2 [==============================] - 0s 4ms/step
>18, 107/390, d1=0.528, d2=0.479, g=1.524
2/2 [==============================] - 0s 4ms/step
>18, 108/390, d1=0.477, d2=0.511, g=1.570
2/2 [==============================] - 0s 4ms/step
>18, 109/390, d1=0.514, d2=0.439, g=1.783
2/2 [==============================] - 0s 4ms/step
>18, 110/390, d1=0.655, d2=0.366, g=1.804
2/2 [==============================] - 0s 4ms/step
>18, 111/390, d1=0.470, d2=0.400, g=1.694
2/2 [==============================] - 0s 4ms/step
>18, 112/390, d1=0.411, d2=0.532, g=1.931
2/2 [==============================] - 0s 4ms/step
>18, 113/390, d1=0.461, d2=0.270, g=2.013
2/2 [==============================] - 0s 4ms/step
>18, 114/390, d1=0.424, d2=0.357, g=1.837
2/2 [==============================] - 0s 4ms/step
>18, 115/390, d1=0.497, d2=0.557, g=1.857
2/2 [==============================] - 0s 4ms/step
>18, 116/390, d1=0.504, d2=0.412, g=1.887
2/2 [==============================] - 0s 4ms/step
>18, 117/390, d1=0.578, d2=0.523, g=2.147
2/2 [==============================] - 0s 3ms/step
>18, 118/390, d1=0.611, d2=0.501, g=2.142
2/2 [==============================] - 0s 4ms/step
>18, 119/390, d1=0.550, d2=0.400, g=1.904
2/2 [==============================] - 0s 5ms/step
>18, 120/390, d1=0.526, d2=0.428, g=1.879
2/2 [==============================] - 0s 4ms/step
>18, 121/390, d1=0.380, d2=0.406, g=1.857
2/2 [==============================] - 0s 4ms/step
>18, 122/390, d1=0.446, d2=0.421, g=1.503
2/2 [==============================] - 0s 3ms/step
>18, 123/390, d1=0.315, d2=0.530, g=1.556
```

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2/2 [==============================] - 0s 4ms/step
>18, 124/390, d1=0.392, d2=0.596, g=1.496
2/2 [==============================] - 0s 4ms/step
>18, 125/390, d1=0.590, d2=0.571, g=1.264
2/2 [==============================] - 0s 4ms/step
>18, 126/390, d1=0.640, d2=0.957, g=1.186
2/2 [==============================] - 0s 4ms/step
>18, 127/390, d1=0.660, d2=0.874, g=1.433
2/2 [==============================] - 0s 4ms/step
>18, 128/390, d1=0.742, d2=0.432, g=1.440
2/2 [==============================] - 0s 5ms/step
>18, 129/390, d1=0.791, d2=0.436, g=1.221
2/2 [==============================] - 0s 4ms/step
>18, 130/390, d1=0.485, d2=0.480, g=1.143
2/2 [==============================] - 0s 4ms/step
>18, 131/390, d1=0.504, d2=0.593, g=1.197
2/2 [==============================] - 0s 4ms/step
>18, 132/390, d1=0.479, d2=0.547, g=1.173
2/2 [==============================] - 0s 4ms/step
>18, 133/390, d1=0.406, d2=0.623, g=1.203
2/2 [==============================] - 0s 4ms/step
>18, 134/390, d1=0.641, d2=0.594, g=1.266
2/2 [==============================] - 0s 4ms/step
>18, 135/390, d1=0.613, d2=0.462, g=1.312
2/2 [==============================] - 0s 4ms/step
>18, 136/390, d1=0.480, d2=0.445, g=1.246
2/2 [==============================] - 0s 5ms/step
>18, 137/390, d1=0.598, d2=0.561, g=1.276
2/2 [==============================] - 0s 4ms/step
>18, 138/390, d1=0.589, d2=0.490, g=1.372
2/2 [==============================] - 0s 4ms/step
>18, 139/390, d1=0.528, d2=0.468, g=1.447
2/2 [==============================] - 0s 4ms/step
>18, 140/390, d1=0.596, d2=0.428, g=1.437
2/2 [==============================] - 0s 4ms/step
>18, 141/390, d1=0.532, d2=0.514, g=1.558
2/2 [==============================] - 0s 3ms/step
>18, 142/390, d1=0.389, d2=0.415, g=1.915
2/2 [==============================] - 0s 4ms/step
>18, 143/390, d1=0.561, d2=0.369, g=1.809
2/2 [==============================] - 0s 4ms/step
>18, 144/390, d1=0.542, d2=0.381, g=1.534
2/2 [==============================] - 0s 4ms/step
>18, 145/390, d1=0.433, d2=0.561, g=1.439
2/2 [==============================] - 0s 4ms/step
>18, 146/390, d1=0.494, d2=0.678, g=1.595
2/2 [==============================] - 0s 4ms/step
>18, 147/390, d1=0.634, d2=0.707, g=1.591
```

```
2/2 [==============================] - 0s 5ms/step
>18, 148/390, d1=0.600, d2=0.541, g=1.528
2/2 [==============================] - 0s 4ms/step
>18, 149/390, d1=0.548, d2=0.457, g=1.610
2/2 [==============================] - 0s 4ms/step
>18, 150/390, d1=0.627, d2=0.510, g=1.537
2/2 [==============================] - 0s 4ms/step
>18, 151/390, d1=0.542, d2=0.544, g=1.736
2/2 [==============================] - 0s 4ms/step
>18, 152/390, d1=0.427, d2=0.378, g=1.689
2/2 [==============================] - 0s 4ms/step
>18, 153/390, d1=0.352, d2=0.532, g=1.674
2/2 [==============================] - 0s 4ms/step
>18, 154/390, d1=0.465, d2=0.592, g=1.633
2/2 [==============================] - 0s 4ms/step
>18, 155/390, d1=0.488, d2=0.555, g=1.686
2/2 [==============================] - 0s 5ms/step
>18, 156/390, d1=0.530, d2=0.542, g=1.563
2/2 [==============================] - 0s 4ms/step
>18, 157/390, d1=0.480, d2=0.452, g=1.447
2/2 [==============================] - 0s 4ms/step
>18, 158/390, d1=0.436, d2=0.623, g=1.323
2/2 [==============================] - 0s 4ms/step
>18, 159/390, d1=0.630, d2=0.870, g=1.354
2/2 [==============================] - 0s 4ms/step
>18, 160/390, d1=0.819, d2=0.590, g=1.439
2/2 [==============================] - 0s 4ms/step
>18, 161/390, d1=0.805, d2=0.614, g=1.320
2/2 [==============================] - 0s 4ms/step
>18, 162/390, d1=0.726, d2=0.717, g=1.544
2/2 [==============================] - 0s 4ms/step
>18, 163/390, d1=0.865, d2=0.469, g=1.635
2/2 [==============================] - 0s 4ms/step
>18, 164/390, d1=0.857, d2=0.484, g=1.569
2/2 [==============================] - 0s 4ms/step
>18, 165/390, d1=0.749, d2=0.465, g=1.531
2/2 [==============================] - 0s 4ms/step
>18, 166/390, d1=0.712, d2=0.514, g=1.647
2/2 [==============================] - 0s 4ms/step
>18, 167/390, d1=0.688, d2=0.350, g=1.540
2/2 [==============================] - 0s 4ms/step
>18, 168/390, d1=0.677, d2=0.383, g=1.399
2/2 [==============================] - 0s 4ms/step
>18, 169/390, d1=0.659, d2=0.543, g=1.200
2/2 [==============================] - 0s 4ms/step
>18, 170/390, d1=0.655, d2=0.564, g=1.412
2/2 [==============================] - 0s 4ms/step
>18, 171/390, d1=0.639, d2=0.676, g=1.299
```

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2/2 [==============================] - 0s 4ms/step
>18, 172/390, d1=0.599, d2=0.538, g=1.290
2/2 [==============================] - 0s 5ms/step
>18, 173/390, d1=0.673, d2=0.493, g=1.212
2/2 [==============================] - 0s 4ms/step
>18, 174/390, d1=0.688, d2=0.606, g=1.228
2/2 [==============================] - 0s 4ms/step
>18, 175/390, d1=0.608, d2=0.550, g=1.168
2/2 [==============================] - 0s 4ms/step
>18, 176/390, d1=0.623, d2=0.553, g=1.292
2/2 [==============================] - 0s 4ms/step
>18, 177/390, d1=0.553, d2=0.511, g=1.306
2/2 [==============================] - 0s 3ms/step
>18, 178/390, d1=0.523, d2=0.531, g=1.408
2/2 [==============================] - 0s 4ms/step
>18, 179/390, d1=0.496, d2=0.486, g=1.331
2/2 [==============================] - 0s 4ms/step
>18, 180/390, d1=0.493, d2=0.490, g=1.303
2/2 [==============================] - 0s 4ms/step
>18, 181/390, d1=0.413, d2=0.517, g=1.353
2/2 [==============================] - 0s 4ms/step
>18, 182/390, d1=0.405, d2=0.493, g=1.237
2/2 [==============================] - 0s 4ms/step
>18, 183/390, d1=0.443, d2=0.596, g=1.256
2/2 [==============================] - 0s 4ms/step
>18, 184/390, d1=0.403, d2=0.558, g=1.278
2/2 [==============================] - 0s 4ms/step
>18, 185/390, d1=0.413, d2=0.519, g=1.279
2/2 [==============================] - 0s 4ms/step
>18, 186/390, d1=0.493, d2=0.606, g=1.279
2/2 [==============================] - 0s 4ms/step
>18, 187/390, d1=0.591, d2=0.557, g=1.287
2/2 [==============================] - 0s 4ms/step
>18, 188/390, d1=0.617, d2=0.670, g=1.266
2/2 [==============================] - 0s 4ms/step
>18, 189/390, d1=0.458, d2=0.515, g=1.304
2/2 [==============================] - 0s 4ms/step
>18, 190/390, d1=0.696, d2=0.514, g=1.327
2/2 [==============================] - 0s 4ms/step
>18, 191/390, d1=0.517, d2=0.563, g=1.336
2/2 [==============================] - 0s 4ms/step
>18, 192/390, d1=0.580, d2=0.486, g=1.379
2/2 [==============================] - 0s 4ms/step
>18, 193/390, d1=0.633, d2=0.575, g=1.439
2/2 [==============================] - 0s 4ms/step
>18, 194/390, d1=0.563, d2=0.470, g=1.677
2/2 [==============================] - 0s 4ms/step
>18, 195/390, d1=0.499, d2=0.386, g=1.670
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2/2 [==============================] - 0s 4ms/step
>18, 196/390, d1=0.581, d2=0.383, g=1.510
2/2 [==============================] - 0s 3ms/step
>18, 197/390, d1=0.575, d2=0.482, g=1.433
2/2 [==============================] - 0s 4ms/step
>18, 198/390, d1=0.505, d2=0.521, g=1.297
2/2 [==============================] - 0s 4ms/step
>18, 199/390, d1=0.495, d2=0.597, g=1.271
2/2 [==============================] - 0s 4ms/step
>18, 200/390, d1=0.564, d2=0.693, g=1.367
2/2 [==============================] - 0s 4ms/step
>18, 201/390, d1=0.795, d2=0.499, g=1.238
2/2 [==============================] - 0s 4ms/step
>18, 202/390, d1=0.568, d2=0.678, g=1.343
2/2 [==============================] - 0s 4ms/step
>18, 203/390, d1=0.631, d2=0.504, g=1.237
2/2 [==============================] - 0s 4ms/step
>18, 204/390, d1=0.640, d2=0.608, g=1.233
2/2 [==============================] - 0s 4ms/step
>18, 205/390, d1=0.487, d2=0.594, g=1.299
2/2 [==============================] - 0s 4ms/step
>18, 206/390, d1=0.571, d2=0.550, g=1.334
2/2 [==============================] - 0s 3ms/step
>18, 207/390, d1=0.652, d2=0.514, g=1.354
2/2 [==============================] - 0s 4ms/step
>18, 208/390, d1=0.595, d2=0.506, g=1.367
2/2 [==============================] - 0s 4ms/step
>18, 209/390, d1=0.655, d2=0.416, g=1.303
2/2 [==============================] - 0s 4ms/step
>18, 210/390, d1=0.607, d2=0.463, g=1.262
2/2 [==============================] - 0s 4ms/step
>18, 211/390, d1=0.533, d2=0.540, g=1.279
2/2 [==============================] - 0s 4ms/step
>18, 212/390, d1=0.573, d2=0.559, g=1.318
2/2 [==============================] - 0s 4ms/step
>18, 213/390, d1=0.564, d2=0.495, g=1.218
2/2 [==============================] - 0s 4ms/step
>18, 214/390, d1=0.596, d2=0.547, g=1.203
2/2 [==============================] - 0s 4ms/step
>18, 215/390, d1=0.608, d2=0.634, g=1.217
2/2 [==============================] - 0s 4ms/step
>18, 216/390, d1=0.601, d2=0.544, g=1.244
2/2 [==============================] - 0s 4ms/step
>18, 217/390, d1=0.553, d2=0.461, g=1.195
2/2 [==============================] - 0s 4ms/step
>18, 218/390, d1=0.690, d2=0.506, g=1.261
2/2 [==============================] - 0s 4ms/step
>18, 219/390, d1=0.692, d2=0.597, g=1.138
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2/2 [==============================] - 0s 4ms/step
>18, 220/390, d1=0.674, d2=0.563, g=1.268
2/2 [==============================] - 0s 4ms/step
>18, 221/390, d1=0.746, d2=0.540, g=1.236
2/2 [==============================] - 0s 3ms/step
>18, 222/390, d1=0.614, d2=0.489, g=1.274
2/2 [==============================] - 0s 4ms/step
>18, 223/390, d1=0.598, d2=0.542, g=1.308
2/2 [==============================] - 0s 4ms/step
>18, 224/390, d1=0.755, d2=0.568, g=1.287
2/2 [==============================] - 0s 4ms/step
>18, 225/390, d1=0.710, d2=0.477, g=1.263
2/2 [==============================] - 0s 4ms/step
>18, 226/390, d1=0.662, d2=0.505, g=1.203
2/2 [==============================] - 0s 4ms/step
>18, 227/390, d1=0.677, d2=0.534, g=1.267
2/2 [==============================] - 0s 3ms/step
>18, 228/390, d1=0.627, d2=0.625, g=1.279
2/2 [==============================] - 0s 4ms/step
>18, 229/390, d1=0.527, d2=0.457, g=1.243
2/2 [==============================] - 0s 3ms/step
>18, 230/390, d1=0.584, d2=0.526, g=1.255
2/2 [==============================] - 0s 4ms/step
>18, 231/390, d1=0.474, d2=0.482, g=1.295
2/2 [==============================] - 0s 4ms/step
>18, 232/390, d1=0.538, d2=0.584, g=1.303
2/2 [==============================] - 0s 4ms/step
>18, 233/390, d1=0.556, d2=0.453, g=1.484
2/2 [==============================] - 0s 4ms/step
>18, 234/390, d1=0.610, d2=0.419, g=1.389
2/2 [==============================] - 0s 4ms/step
>18, 235/390, d1=0.670, d2=0.484, g=1.446
2/2 [==============================] - 0s 4ms/step
>18, 236/390, d1=0.550, d2=0.469, g=1.576
2/2 [==============================] - 0s 4ms/step
>18, 237/390, d1=0.470, d2=0.362, g=1.558
2/2 [==============================] - 0s 3ms/step
>18, 238/390, d1=0.550, d2=0.467, g=1.415
2/2 [==============================] - 0s 3ms/step
>18, 239/390, d1=0.444, d2=0.457, g=1.426
2/2 [==============================] - 0s 4ms/step
>18, 240/390, d1=0.492, d2=0.562, g=1.348
2/2 [==============================] - 0s 4ms/step
>18, 241/390, d1=0.496, d2=0.511, g=1.481
2/2 [==============================] - 0s 4ms/step
>18, 242/390, d1=0.554, d2=0.450, g=1.330
2/2 [==============================] - 0s 4ms/step
>18, 243/390, d1=0.545, d2=0.588, g=1.263
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2/2 [==============================] - 0s 4ms/step
>18, 244/390, d1=0.563, d2=0.747, g=1.361
2/2 [==============================] - 0s 4ms/step
>18, 245/390, d1=0.651, d2=0.507, g=1.378
2/2 [==============================] - 0s 4ms/step
>18, 246/390, d1=0.721, d2=0.498, g=1.323
2/2 [==============================] - 0s 4ms/step
>18, 247/390, d1=0.733, d2=0.649, g=1.402
2/2 [==============================] - 0s 5ms/step
>18, 248/390, d1=0.749, d2=0.529, g=1.286
2/2 [==============================] - 0s 4ms/step
>18, 249/390, d1=0.612, d2=0.585, g=1.260
2/2 [==============================] - 0s 4ms/step
>18, 250/390, d1=0.556, d2=0.459, g=1.220
2/2 [==============================] - 0s 3ms/step
>18, 251/390, d1=0.524, d2=0.592, g=1.163
2/2 [==============================] - 0s 4ms/step
>18, 252/390, d1=0.553, d2=0.585, g=1.279
2/2 [==============================] - 0s 4ms/step
>18, 253/390, d1=0.462, d2=0.495, g=1.288
2/2 [==============================] - 0s 4ms/step
>18, 254/390, d1=0.596, d2=0.564, g=1.196
2/2 [==============================] - 0s 4ms/step
>18, 255/390, d1=0.472, d2=0.506, g=1.266
2/2 [==============================] - 0s 4ms/step
>18, 256/390, d1=0.539, d2=0.484, g=1.294
2/2 [==============================] - 0s 5ms/step
>18, 257/390, d1=0.567, d2=0.511, g=1.202
2/2 [==============================] - 0s 4ms/step
>18, 258/390, d1=0.416, d2=0.535, g=1.244
2/2 [==============================] - 0s 4ms/step
>18, 259/390, d1=0.433, d2=0.507, g=1.268
2/2 [==============================] - 0s 4ms/step
>18, 260/390, d1=0.441, d2=0.486, g=1.227
2/2 [==============================] - 0s 4ms/step
>18, 261/390, d1=0.379, d2=0.547, g=1.250
2/2 [==============================] - 0s 4ms/step
>18, 262/390, d1=0.501, d2=0.630, g=1.240
2/2 [==============================] - 0s 4ms/step
>18, 263/390, d1=0.628, d2=0.614, g=1.313
2/2 [==============================] - 0s 5ms/step
>18, 264/390, d1=0.606, d2=0.529, g=1.309
2/2 [==============================] - 0s 4ms/step
>18, 265/390, d1=0.783, d2=0.499, g=1.220
2/2 [==============================] - 0s 4ms/step
>18, 266/390, d1=0.578, d2=0.628, g=1.267
2/2 [==============================] - 0s 4ms/step
>18, 267/390, d1=0.617, d2=0.566, g=1.381
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2/2 [==============================] - 0s 4ms/step
>18, 268/390, d1=0.610, d2=0.518, g=1.400
2/2 [==============================] - 0s 4ms/step
>18, 269/390, d1=0.657, d2=0.460, g=1.318
2/2 [==============================] - 0s 4ms/step
>18, 270/390, d1=0.569, d2=0.462, g=1.241
2/2 [==============================] - 0s 4ms/step
>18, 271/390, d1=0.530, d2=0.555, g=1.396
2/2 [==============================] - 0s 4ms/step
>18, 272/390, d1=0.480, d2=0.572, g=1.437
2/2 [==============================] - 0s 4ms/step
>18, 273/390, d1=0.519, d2=0.573, g=1.527
2/2 [==============================] - 0s 4ms/step
>18, 274/390, d1=0.589, d2=0.503, g=1.394
2/2 [==============================] - 0s 4ms/step
>18, 275/390, d1=0.640, d2=0.658, g=1.329
2/2 [==============================] - 0s 4ms/step
>18, 276/390, d1=0.514, d2=0.557, g=1.322
2/2 [==============================] - 0s 4ms/step
>18, 277/390, d1=0.589, d2=0.440, g=1.210
2/2 [==============================] - 0s 4ms/step
>18, 278/390, d1=0.597, d2=0.680, g=1.432
2/2 [==============================] - 0s 4ms/step
>18, 279/390, d1=0.651, d2=0.553, g=1.456
2/2 [==============================] - 0s 4ms/step
>18, 280/390, d1=0.726, d2=0.496, g=1.557
2/2 [==============================] - 0s 4ms/step
>18, 281/390, d1=0.645, d2=0.425, g=1.410
2/2 [==============================] - 0s 4ms/step
>18, 282/390, d1=0.694, d2=0.665, g=1.442
2/2 [==============================] - 0s 4ms/step
>18, 283/390, d1=0.696, d2=0.662, g=1.385
2/2 [==============================] - 0s 4ms/step
>18, 284/390, d1=0.757, d2=0.666, g=1.482
2/2 [==============================] - 0s 4ms/step
>18, 285/390, d1=0.829, d2=0.442, g=1.505
2/2 [==============================] - 0s 4ms/step
>18, 286/390, d1=0.561, d2=0.383, g=1.404
2/2 [==============================] - 0s 4ms/step
>18, 287/390, d1=0.775, d2=0.518, g=1.299
2/2 [==============================] - 0s 4ms/step
>18, 288/390, d1=0.532, d2=0.545, g=1.419
2/2 [==============================] - 0s 4ms/step
>18, 289/390, d1=0.544, d2=0.501, g=1.471
2/2 [==============================] - 0s 4ms/step
>18, 290/390, d1=0.583, d2=0.460, g=1.422
2/2 [==============================] - 0s 4ms/step
>18, 291/390, d1=0.519, d2=0.536, g=1.412
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2/2 [==============================] - 0s 4ms/step
>18, 292/390, d1=0.512, d2=0.564, g=1.432
2/2 [==============================] - 0s 4ms/step
>18, 293/390, d1=0.581, d2=0.506, g=1.402
2/2 [==============================] - 0s 4ms/step
>18, 294/390, d1=0.745, d2=0.619, g=1.174
2/2 [==============================] - 0s 4ms/step
>18, 295/390, d1=0.594, d2=0.647, g=1.206
2/2 [==============================] - 0s 4ms/step
>18, 296/390, d1=0.662, d2=0.647, g=1.235
2/2 [==============================] - 0s 4ms/step
>18, 297/390, d1=0.724, d2=0.610, g=1.160
2/2 [==============================] - 0s 4ms/step
>18, 298/390, d1=0.657, d2=0.662, g=1.203
2/2 [==============================] - 0s 4ms/step
>18, 299/390, d1=0.698, d2=0.547, g=1.340
2/2 [==============================] - 0s 4ms/step
>18, 300/390, d1=0.754, d2=0.599, g=1.324
2/2 [==============================] - 0s 4ms/step
>18, 301/390, d1=0.646, d2=0.539, g=1.445
2/2 [==============================] - 0s 4ms/step
>18, 302/390, d1=0.459, d2=0.421, g=1.400
2/2 [==============================] - 0s 4ms/step
>18, 303/390, d1=0.503, d2=0.545, g=1.361
2/2 [==============================] - 0s 5ms/step
>18, 304/390, d1=0.463, d2=0.468, g=1.251
2/2 [==============================] - 0s 5ms/step
>18, 305/390, d1=0.448, d2=0.533, g=1.206
2/2 [==============================] - 0s 4ms/step
>18, 306/390, d1=0.428, d2=0.615, g=1.355
2/2 [==============================] - 0s 4ms/step
>18, 307/390, d1=0.600, d2=0.611, g=1.460
2/2 [==============================] - 0s 4ms/step
>18, 308/390, d1=0.669, d2=0.637, g=1.418
2/2 [==============================] - 0s 4ms/step
>18, 309/390, d1=0.712, d2=0.615, g=1.463
2/2 [==============================] - 0s 4ms/step
>18, 310/390, d1=0.678, d2=0.504, g=1.385
2/2 [==============================] - 0s 4ms/step
>18, 311/390, d1=0.596, d2=0.663, g=1.278
2/2 [==============================] - 0s 5ms/step
>18, 312/390, d1=0.687, d2=0.696, g=1.252
2/2 [==============================] - 0s 4ms/step
>18, 313/390, d1=0.676, d2=0.627, g=1.229
2/2 [==============================] - 0s 4ms/step
>18, 314/390, d1=0.702, d2=0.704, g=1.176
2/2 [==============================] - 0s 4ms/step
>18, 315/390, d1=0.779, d2=0.754, g=1.401
```

```
2/2 [==============================] - 0s 4ms/step
>18, 316/390, d1=0.767, d2=0.621, g=1.454
2/2 [==============================] - 0s 4ms/step
>18, 317/390, d1=0.652, d2=0.403, g=1.551
2/2 [==============================] - 0s 4ms/step
>18, 318/390, d1=0.610, d2=0.426, g=1.472
2/2 [==============================] - 0s 4ms/step
>18, 319/390, d1=0.615, d2=0.437, g=1.552
2/2 [==============================] - 0s 4ms/step
>18, 320/390, d1=0.481, d2=0.479, g=1.564
2/2 [==============================] - 0s 4ms/step
>18, 321/390, d1=0.533, d2=0.575, g=1.495
2/2 [==============================] - 0s 4ms/step
>18, 322/390, d1=0.646, d2=0.448, g=1.409
2/2 [==============================] - 0s 4ms/step
>18, 323/390, d1=0.578, d2=0.627, g=1.317
2/2 [==============================] - 0s 4ms/step
>18, 324/390, d1=0.544, d2=0.646, g=1.435
2/2 [==============================] - 0s 4ms/step
>18, 325/390, d1=0.635, d2=0.845, g=1.493
2/2 [==============================] - 0s 4ms/step
>18, 326/390, d1=0.636, d2=0.420, g=1.378
2/2 [==============================] - 0s 4ms/step
>18, 327/390, d1=0.709, d2=0.511, g=1.234
2/2 [==============================] - 0s 4ms/step
>18, 328/390, d1=0.520, d2=0.605, g=1.173
2/2 [==============================] - 0s 4ms/step
>18, 329/390, d1=0.529, d2=0.716, g=1.189
2/2 [==============================] - 0s 4ms/step
>18, 330/390, d1=0.530, d2=0.531, g=1.244
2/2 [==============================] - 0s 4ms/step
>18, 331/390, d1=0.533, d2=0.508, g=1.195
2/2 [==============================] - 0s 4ms/step
>18, 332/390, d1=0.587, d2=0.537, g=1.158
2/2 [==============================] - 0s 4ms/step
>18, 333/390, d1=0.608, d2=0.725, g=1.048
2/2 [==============================] - 0s 4ms/step
>18, 334/390, d1=0.598, d2=0.691, g=1.071
2/2 [==============================] - 0s 4ms/step
>18, 335/390, d1=0.676, d2=0.700, g=1.230
2/2 [==============================] - 0s 4ms/step
>18, 336/390, d1=0.702, d2=0.548, g=1.222
2/2 [==============================] - 0s 3ms/step
>18, 337/390, d1=0.664, d2=0.565, g=1.338
2/2 [==============================] - 0s 4ms/step
>18, 338/390, d1=0.748, d2=0.511, g=1.485
2/2 [==============================] - 0s 4ms/step
>18, 339/390, d1=0.658, d2=0.502, g=1.668
```

```
2/2 [==============================] - 0s 4ms/step
>18, 340/390, d1=0.735, d2=0.415, g=1.585
2/2 [==============================] - 0s 4ms/step
>18, 341/390, d1=0.630, d2=0.437, g=1.286
2/2 [==============================] - 0s 4ms/step
>18, 342/390, d1=0.485, d2=0.684, g=1.269
2/2 [==============================] - 0s 3ms/step
>18, 343/390, d1=0.584, d2=0.695, g=1.166
2/2 [==============================] - 0s 4ms/step
>18, 344/390, d1=0.514, d2=0.441, g=1.406
2/2 [==============================] - 0s 4ms/step
>18, 345/390, d1=0.529, d2=0.569, g=1.404
2/2 [==============================] - 0s 4ms/step
>18, 346/390, d1=0.574, d2=0.498, g=1.465
2/2 [==============================] - 0s 4ms/step
>18, 347/390, d1=0.643, d2=0.395, g=1.446
2/2 [==============================] - 0s 4ms/step
>18, 348/390, d1=0.611, d2=0.431, g=1.390
2/2 [==============================] - 0s 4ms/step
>18, 349/390, d1=0.680, d2=0.549, g=1.306
2/2 [==============================] - 0s 4ms/step
>18, 350/390, d1=0.517, d2=0.642, g=1.321
2/2 [==============================] - 0s 4ms/step
>18, 351/390, d1=0.561, d2=0.597, g=1.323
2/2 [==============================] - 0s 4ms/step
>18, 352/390, d1=0.688, d2=0.500, g=1.142
2/2 [==============================] - 0s 4ms/step
>18, 353/390, d1=0.608, d2=0.646, g=1.151
2/2 [==============================] - 0s 4ms/step
>18, 354/390, d1=0.495, d2=0.758, g=1.225
2/2 [==============================] - 0s 4ms/step
>18, 355/390, d1=0.726, d2=0.622, g=1.386
2/2 [==============================] - 0s 3ms/step
>18, 356/390, d1=0.752, d2=0.450, g=1.465
2/2 [==============================] - 0s 4ms/step
>18, 357/390, d1=0.634, d2=0.367, g=1.499
2/2 [==============================] - 0s 4ms/step
>18, 358/390, d1=0.526, d2=0.419, g=1.467
2/2 [==============================] - 0s 4ms/step
>18, 359/390, d1=0.423, d2=0.334, g=1.708
2/2 [==============================] - 0s 4ms/step
>18, 360/390, d1=0.531, d2=0.447, g=1.655
2/2 [==============================] - 0s 4ms/step
>18, 361/390, d1=0.451, d2=0.639, g=1.333
2/2 [==============================] - 0s 4ms/step
>18, 362/390, d1=0.443, d2=0.801, g=1.481
2/2 [==============================] - 0s 4ms/step
>18, 363/390, d1=0.555, d2=0.547, g=1.487
```

```
2/2 [==============================] - 0s 3ms/step
>18, 364/390, d1=0.607, d2=0.468, g=1.338
2/2 [==============================] - 0s 4ms/step
>18, 365/390, d1=0.642, d2=0.599, g=1.158
2/2 [==============================] - 0s 4ms/step
>18, 366/390, d1=0.684, d2=0.753, g=1.105
2/2 [==============================] - 0s 5ms/step
>18, 367/390, d1=0.781, d2=0.854, g=1.164
2/2 [==============================] - 0s 4ms/step
>18, 368/390, d1=0.793, d2=0.597, g=1.258
2/2 [==============================] - 0s 4ms/step
>18, 369/390, d1=0.911, d2=0.598, g=1.513
2/2 [==============================] - 0s 4ms/step
>18, 370/390, d1=0.822, d2=0.430, g=1.670
2/2 [==============================] - 0s 4ms/step
>18, 371/390, d1=0.868, d2=0.424, g=1.754
2/2 [==============================] - 0s 4ms/step
>18, 372/390, d1=0.658, d2=0.317, g=1.834
2/2 [==============================] - 0s 4ms/step
>18, 373/390, d1=0.652, d2=0.403, g=1.615
2/2 [==============================] - 0s 4ms/step
>18, 374/390, d1=0.626, d2=0.469, g=1.416
2/2 [==============================] - 0s 4ms/step
>18, 375/390, d1=0.522, d2=0.458, g=1.326
2/2 [==============================] - 0s 4ms/step
>18, 376/390, d1=0.532, d2=0.474, g=1.306
2/2 [==============================] - 0s 4ms/step
>18, 377/390, d1=0.500, d2=0.526, g=1.282
2/2 [==============================] - 0s 4ms/step
>18, 378/390, d1=0.638, d2=0.547, g=1.235
2/2 [==============================] - 0s 4ms/step
>18, 379/390, d1=0.630, d2=0.560, g=1.206
2/2 [==============================] - 0s 4ms/step
>18, 380/390, d1=0.535, d2=0.707, g=1.213
2/2 [==============================] - 0s 4ms/step
>18, 381/390, d1=0.685, d2=0.507, g=1.101
2/2 [==============================] - 0s 4ms/step
>18, 382/390, d1=0.601, d2=0.510, g=1.115
2/2 [==============================] - 0s 4ms/step
>18, 383/390, d1=0.579, d2=0.584, g=1.080
2/2 [==============================] - 0s 4ms/step
>18, 384/390, d1=0.455, d2=0.610, g=1.068
2/2 [==============================] - 0s 4ms/step
>18, 385/390, d1=0.546, d2=0.624, g=1.254
2/2 [==============================] - 0s 5ms/step
>18, 386/390, d1=0.565, d2=0.522, g=1.205
2/2 [==============================] - 0s 4ms/step
>18, 387/390, d1=0.546, d2=0.473, g=1.191
```

```
2/2 [==============================] - 0s 4ms/step
>18, 388/390, d1=0.568, d2=0.628, g=1.160
2/2 [==============================] - 0s 4ms/step
>18, 389/390, d1=0.653, d2=0.575, g=1.172
2/2 [==============================] - 0s 4ms/step
>18, 390/390, d1=0.570, d2=0.483, g=1.111
5/5 [==============================] - 0s 26ms/step
>Accuracy real: 61%, fake: 91%
```

```
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet
to be built. `model.compile_metrics` will be empty until you train or evaluate
the model.
```

```
Streaming output truncated to the last 5000 lines.
2/2 [==============================] - 0s 4ms/step
>24, 200/390, d1=0.717, d2=0.557, g=0.990
2/2 [==============================] - 0s 4ms/step
>24, 201/390, d1=0.640, d2=0.631, g=0.974
2/2 [==============================] - 0s 4ms/step
>24, 202/390, d1=0.719, d2=0.559, g=0.940
2/2 [==============================] - 0s 4ms/step
>24, 203/390, d1=0.735, d2=0.639, g=0.949
2/2 [==============================] - 0s 4ms/step
>24, 204/390, d1=0.704, d2=0.599, g=0.971
2/2 [==============================] - 0s 4ms/step
>24, 205/390, d1=0.686, d2=0.547, g=0.925
2/2 [==============================] - 0s 4ms/step
>24, 206/390, d1=0.654, d2=0.629, g=0.941
2/2 [==============================] - 0s 4ms/step
>24, 207/390, d1=0.746, d2=0.630, g=0.921
2/2 [==============================] - 0s 4ms/step
>24, 208/390, d1=0.663, d2=0.666, g=0.846
2/2 [==============================] - 0s 4ms/step
>24, 209/390, d1=0.673, d2=0.737, g=0.855
2/2 [==============================] - 0s 4ms/step
>24, 210/390, d1=0.694, d2=0.655, g=0.878
2/2 [==============================] - 0s 4ms/step
>24, 211/390, d1=0.688, d2=0.659, g=0.913
2/2 [==============================] - 0s 4ms/step
>24, 212/390, d1=0.704, d2=0.618, g=0.931
2/2 [==============================] - 0s 4ms/step
>24, 213/390, d1=0.635, d2=0.628, g=0.931
2/2 [==============================] - 0s 4ms/step
>24, 214/390, d1=0.692, d2=0.598, g=0.878
2/2 [==============================] - 0s 4ms/step
>24, 215/390, d1=0.610, d2=0.651, g=0.885
2/2 [==============================] - 0s 4ms/step
>24, 216/390, d1=0.643, d2=0.611, g=0.977
2/2 [==============================] - 0s 4ms/step
```

```
>24, 217/390, d1=0.563, d2=0.617, g=0.942
2/2 [==============================] - 0s 4ms/step
>24, 218/390, d1=0.580, d2=0.605, g=0.970
2/2 [==============================] - 0s 4ms/step
>24, 219/390, d1=0.581, d2=0.572, g=1.003
2/2 [==============================] - 0s 4ms/step
>24, 220/390, d1=0.555, d2=0.555, g=0.983
2/2 [==============================] - 0s 4ms/step
>24, 221/390, d1=0.516, d2=0.580, g=0.952
2/2 [==============================] - 0s 4ms/step
>24, 222/390, d1=0.509, d2=0.739, g=0.897
2/2 [==============================] - 0s 4ms/step
>24, 223/390, d1=0.548, d2=0.769, g=0.883
2/2 [==============================] - 0s 4ms/step
>24, 224/390, d1=0.637, d2=0.736, g=1.030
2/2 [==============================] - 0s 4ms/step
>24, 225/390, d1=0.675, d2=0.606, g=1.050
2/2 [==============================] - 0s 4ms/step
>24, 226/390, d1=0.626, d2=0.558, g=0.983
2/2 [==============================] - 0s 4ms/step
>24, 227/390, d1=0.645, d2=0.684, g=1.020
2/2 [==============================] - 0s 4ms/step
>24, 228/390, d1=0.722, d2=0.566, g=1.048
2/2 [==============================] - 0s 4ms/step
>24, 229/390, d1=0.733, d2=0.600, g=0.947
2/2 [==============================] - 0s 3ms/step
>24, 230/390, d1=0.733, d2=0.689, g=0.966
2/2 [==============================] - 0s 4ms/step
>24, 231/390, d1=0.778, d2=0.667, g=0.974
2/2 [==============================] - 0s 3ms/step
>24, 232/390, d1=0.721, d2=0.710, g=0.941
2/2 [==============================] - 0s 4ms/step
>24, 233/390, d1=0.759, d2=0.606, g=0.918
2/2 [==============================] - 0s 5ms/step
>24, 234/390, d1=0.796, d2=0.651, g=0.931
2/2 [==============================] - 0s 4ms/step
>24, 235/390, d1=0.684, d2=0.660, g=0.913
2/2 [==============================] - 0s 4ms/step
>24, 236/390, d1=0.710, d2=0.606, g=0.923
2/2 [==============================] - 0s 5ms/step
>24, 237/390, d1=0.672, d2=0.558, g=0.891
2/2 [==============================] - 0s 4ms/step
>24, 238/390, d1=0.616, d2=0.616, g=0.871
2/2 [==============================] - 0s 4ms/step
>24, 239/390, d1=0.479, d2=0.681, g=0.899
2/2 [==============================] - 0s 4ms/step
>24, 240/390, d1=0.503, d2=0.615, g=0.878
2/2 [==============================] - 0s 4ms/step
```

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>24, 241/390, d1=0.502, d2=0.682, g=0.873
2/2 [==============================] - 0s 4ms/step
>24, 242/390, d1=0.580, d2=0.767, g=0.922
2/2 [==============================] - 0s 4ms/step
>24, 243/390, d1=0.635, d2=0.637, g=0.882
2/2 [==============================] - 0s 4ms/step
>24, 244/390, d1=0.533, d2=0.680, g=0.956
2/2 [==============================] - 0s 3ms/step
>24, 245/390, d1=0.597, d2=0.663, g=0.929
2/2 [==============================] - 0s 4ms/step
>24, 246/390, d1=0.579, d2=0.618, g=0.946
2/2 [==============================] - 0s 3ms/step
>24, 247/390, d1=0.669, d2=0.675, g=0.935
2/2 [==============================] - 0s 4ms/step
>24, 248/390, d1=0.714, d2=0.653, g=0.934
2/2 [==============================] - 0s 4ms/step
>24, 249/390, d1=0.710, d2=0.639, g=0.907
2/2 [==============================] - 0s 3ms/step
>24, 250/390, d1=0.695, d2=0.575, g=0.962
2/2 [==============================] - 0s 4ms/step
>24, 251/390, d1=0.679, d2=0.547, g=0.963
2/2 [==============================] - 0s 4ms/step
>24, 252/390, d1=0.663, d2=0.553, g=1.000
2/2 [==============================] - 0s 4ms/step
>24, 253/390, d1=0.638, d2=0.621, g=0.921
2/2 [==============================] - 0s 4ms/step
>24, 254/390, d1=0.615, d2=0.605, g=0.868
2/2 [==============================] - 0s 4ms/step
>24, 255/390, d1=0.587, d2=0.753, g=0.801
2/2 [==============================] - 0s 4ms/step
>24, 256/390, d1=0.559, d2=0.732, g=0.869
2/2 [==============================] - 0s 4ms/step
>24, 257/390, d1=0.627, d2=0.623, g=0.849
2/2 [==============================] - 0s 4ms/step
>24, 258/390, d1=0.673, d2=0.641, g=0.882
2/2 [==============================] - 0s 4ms/step
>24, 259/390, d1=0.671, d2=0.625, g=0.883
2/2 [==============================] - 0s 4ms/step
>24, 260/390, d1=0.615, d2=0.583, g=0.898
2/2 [==============================] - 0s 4ms/step
>24, 261/390, d1=0.563, d2=0.643, g=0.926
2/2 [==============================] - 0s 4ms/step
>24, 262/390, d1=0.571, d2=0.625, g=0.949
2/2 [==============================] - 0s 4ms/step
>24, 263/390, d1=0.499, d2=0.729, g=0.942
2/2 [==============================] - 0s 4ms/step
>24, 264/390, d1=0.589, d2=0.719, g=0.912
2/2 [==============================] - 0s 4ms/step
```

```
>24, 265/390, d1=0.700, d2=0.884, g=1.084
2/2 [==============================] - 0s 4ms/step
>24, 266/390, d1=0.768, d2=0.549, g=1.072
2/2 [==============================] - 0s 3ms/step
>24, 267/390, d1=0.839, d2=0.503, g=1.062
2/2 [==============================] - 0s 4ms/step
>24, 268/390, d1=0.815, d2=0.496, g=0.945
2/2 [==============================] - 0s 4ms/step
>24, 269/390, d1=0.651, d2=0.561, g=0.967
2/2 [==============================] - 0s 4ms/step
>24, 270/390, d1=0.595, d2=0.612, g=0.934
2/2 [==============================] - 0s 4ms/step
>24, 271/390, d1=0.597, d2=0.594, g=0.885
2/2 [==============================] - 0s 4ms/step
>24, 272/390, d1=0.549, d2=0.736, g=0.846
2/2 [==============================] - 0s 4ms/step
>24, 273/390, d1=0.517, d2=0.883, g=0.843
2/2 [==============================] - 0s 4ms/step
>24, 274/390, d1=0.650, d2=0.827, g=0.907
2/2 [==============================] - 0s 4ms/step
>24, 275/390, d1=0.685, d2=0.610, g=0.925
2/2 [==============================] - 0s 4ms/step
>24, 276/390, d1=0.662, d2=0.599, g=0.954
2/2 [==============================] - 0s 4ms/step
>24, 277/390, d1=0.674, d2=0.654, g=0.983
2/2 [==============================] - 0s 4ms/step
>24, 278/390, d1=0.741, d2=0.568, g=0.923
2/2 [==============================] - 0s 3ms/step
>24, 279/390, d1=0.619, d2=0.601, g=0.983
2/2 [==============================] - 0s 4ms/step
>24, 280/390, d1=0.741, d2=0.668, g=0.927
2/2 [==============================] - 0s 4ms/step
>24, 281/390, d1=0.731, d2=0.619, g=0.970
2/2 [==============================] - 0s 4ms/step
>24, 282/390, d1=0.737, d2=0.613, g=1.024
2/2 [==============================] - 0s 4ms/step
>24, 283/390, d1=0.753, d2=0.565, g=0.911
2/2 [==============================] - 0s 4ms/step
>24, 284/390, d1=0.765, d2=0.594, g=0.911
2/2 [==============================] - 0s 4ms/step
>24, 285/390, d1=0.677, d2=0.618, g=0.842
2/2 [==============================] - 0s 4ms/step
>24, 286/390, d1=0.605, d2=0.649, g=0.865
2/2 [==============================] - 0s 4ms/step
>24, 287/390, d1=0.560, d2=0.625, g=0.912
2/2 [==============================] - 0s 4ms/step
>24, 288/390, d1=0.646, d2=0.708, g=0.857
2/2 [==============================] - 0s 4ms/step
```

```
>24, 289/390, d1=0.570, d2=0.710, g=0.908
2/2 [==============================] - 0s 4ms/step
>24, 290/390, d1=0.649, d2=0.597, g=0.899
2/2 [==============================] - 0s 4ms/step
>24, 291/390, d1=0.717, d2=0.631, g=0.885
2/2 [==============================] - 0s 4ms/step
>24, 292/390, d1=0.609, d2=0.666, g=0.908
2/2 [==============================] - 0s 4ms/step
>24, 293/390, d1=0.675, d2=0.584, g=0.939
2/2 [==============================] - 0s 4ms/step
>24, 294/390, d1=0.681, d2=0.576, g=0.981
2/2 [==============================] - 0s 4ms/step
>24, 295/390, d1=0.712, d2=0.526, g=1.023
2/2 [==============================] - 0s 4ms/step
>24, 296/390, d1=0.639, d2=0.571, g=0.976
2/2 [==============================] - 0s 4ms/step
>24, 297/390, d1=0.515, d2=0.645, g=0.946
2/2 [==============================] - 0s 4ms/step
>24, 298/390, d1=0.623, d2=0.654, g=0.925
2/2 [==============================] - 0s 3ms/step
>24, 299/390, d1=0.561, d2=0.588, g=0.953
2/2 [==============================] - 0s 4ms/step
>24, 300/390, d1=0.611, d2=0.583, g=0.985
2/2 [==============================] - 0s 4ms/step
>24, 301/390, d1=0.706, d2=0.615, g=0.905
2/2 [==============================] - 0s 3ms/step
>24, 302/390, d1=0.683, d2=0.683, g=0.843
2/2 [==============================] - 0s 4ms/step
>24, 303/390, d1=0.622, d2=0.677, g=0.825
2/2 [==============================] - 0s 4ms/step
>24, 304/390, d1=0.616, d2=0.718, g=0.839
2/2 [==============================] - 0s 3ms/step
>24, 305/390, d1=0.578, d2=0.652, g=0.805
2/2 [==============================] - 0s 4ms/step
>24, 306/390, d1=0.607, d2=0.761, g=0.856
2/2 [==============================] - 0s 4ms/step
>24, 307/390, d1=0.668, d2=0.636, g=0.851
2/2 [==============================] - 0s 4ms/step
>24, 308/390, d1=0.649, d2=0.719, g=0.838
2/2 [==============================] - 0s 4ms/step
>24, 309/390, d1=0.716, d2=0.740, g=0.929
2/2 [==============================] - 0s 4ms/step
>24, 310/390, d1=0.715, d2=0.586, g=1.012
2/2 [==============================] - 0s 4ms/step
>24, 311/390, d1=0.777, d2=0.558, g=1.010
2/2 [==============================] - 0s 4ms/step
>24, 312/390, d1=0.720, d2=0.543, g=0.990
2/2 [==============================] - 0s 4ms/step
```

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>24, 313/390, d1=0.718, d2=0.597, g=0.942
2/2 [==============================] - 0s 4ms/step
>24, 314/390, d1=0.679, d2=0.543, g=0.926
2/2 [==============================] - 0s 4ms/step
>24, 315/390, d1=0.674, d2=0.584, g=0.903
2/2 [==============================] - 0s 4ms/step
>24, 316/390, d1=0.641, d2=0.593, g=0.887
2/2 [==============================] - 0s 4ms/step
>24, 317/390, d1=0.569, d2=0.761, g=0.864
2/2 [==============================] - 0s 4ms/step
>24, 318/390, d1=0.636, d2=0.701, g=0.861
2/2 [==============================] - 0s 5ms/step
>24, 319/390, d1=0.609, d2=0.568, g=0.876
2/2 [==============================] - 0s 4ms/step
>24, 320/390, d1=0.636, d2=0.652, g=0.869
2/2 [==============================] - 0s 4ms/step
>24, 321/390, d1=0.515, d2=0.655, g=0.847
2/2 [==============================] - 0s 4ms/step
>24, 322/390, d1=0.568, d2=0.701, g=0.806
2/2 [==============================] - 0s 3ms/step
>24, 323/390, d1=0.555, d2=0.806, g=0.887
2/2 [==============================] - 0s 4ms/step
>24, 324/390, d1=0.651, d2=0.689, g=0.927
2/2 [==============================] - 0s 4ms/step
>24, 325/390, d1=0.663, d2=0.657, g=0.964
2/2 [==============================] - 0s 4ms/step
>24, 326/390, d1=0.753, d2=0.539, g=0.949
2/2 [==============================] - 0s 4ms/step
>24, 327/390, d1=0.694, d2=0.621, g=0.977
2/2 [==============================] - 0s 4ms/step
>24, 328/390, d1=0.677, d2=0.596, g=0.924
2/2 [==============================] - 0s 4ms/step
>24, 329/390, d1=0.750, d2=0.681, g=0.854
2/2 [==============================] - 0s 4ms/step
>24, 330/390, d1=0.649, d2=0.728, g=0.800
2/2 [==============================] - 0s 4ms/step
>24, 331/390, d1=0.684, d2=0.670, g=0.836
2/2 [==============================] - 0s 4ms/step
>24, 332/390, d1=0.681, d2=0.717, g=0.842
2/2 [==============================] - 0s 5ms/step
>24, 333/390, d1=0.633, d2=0.644, g=0.853
2/2 [==============================] - 0s 5ms/step
>24, 334/390, d1=0.619, d2=0.657, g=0.910
2/2 [==============================] - 0s 4ms/step
>24, 335/390, d1=0.628, d2=0.707, g=0.876
2/2 [==============================] - 0s 4ms/step
>24, 336/390, d1=0.600, d2=0.688, g=0.970
2/2 [==============================] - 0s 3ms/step
```

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>24, 337/390, d1=0.666, d2=0.664, g=1.045
2/2 [==============================] - 0s 4ms/step
>24, 338/390, d1=0.698, d2=0.611, g=1.038
2/2 [==============================] - 0s 4ms/step
>24, 339/390, d1=0.749, d2=0.484, g=0.958
2/2 [==============================] - 0s 4ms/step
>24, 340/390, d1=0.784, d2=0.500, g=0.963
2/2 [==============================] - 0s 4ms/step
>24, 341/390, d1=0.630, d2=0.643, g=0.938
2/2 [==============================] - 0s 4ms/step
>24, 342/390, d1=0.763, d2=0.596, g=0.936
2/2 [==============================] - 0s 4ms/step
>24, 343/390, d1=0.699, d2=0.628, g=0.902
2/2 [==============================] - 0s 4ms/step
>24, 344/390, d1=0.686, d2=0.635, g=0.946
2/2 [==============================] - 0s 4ms/step
>24, 345/390, d1=0.722, d2=0.634, g=0.922
2/2 [==============================] - 0s 4ms/step
>24, 346/390, d1=0.645, d2=0.702, g=1.008
2/2 [==============================] - 0s 4ms/step
>24, 347/390, d1=0.677, d2=0.536, g=1.085
2/2 [==============================] - 0s 4ms/step
>24, 348/390, d1=0.691, d2=0.599, g=0.995
2/2 [==============================] - 0s 6ms/step
>24, 349/390, d1=0.675, d2=0.636, g=0.896
2/2 [==============================] - 0s 4ms/step
>24, 350/390, d1=0.669, d2=0.751, g=0.838
2/2 [==============================] - 0s 4ms/step
>24, 351/390, d1=0.683, d2=0.710, g=0.872
2/2 [==============================] - 0s 4ms/step
>24, 352/390, d1=0.620, d2=0.633, g=0.915
2/2 [==============================] - 0s 4ms/step
>24, 353/390, d1=0.592, d2=0.583, g=0.998
2/2 [==============================] - 0s 4ms/step
>24, 354/390, d1=0.504, d2=0.495, g=1.052
2/2 [==============================] - 0s 4ms/step
>24, 355/390, d1=0.477, d2=0.581, g=1.000
2/2 [==============================] - 0s 4ms/step
>24, 356/390, d1=0.495, d2=0.691, g=0.966
2/2 [==============================] - 0s 4ms/step
>24, 357/390, d1=0.534, d2=0.600, g=0.960
2/2 [==============================] - 0s 4ms/step
>24, 358/390, d1=0.529, d2=0.628, g=0.946
2/2 [==============================] - 0s 4ms/step
>24, 359/390, d1=0.471, d2=0.724, g=0.995
2/2 [==============================] - 0s 4ms/step
>24, 360/390, d1=0.510, d2=0.683, g=0.929
2/2 [==============================] - 0s 3ms/step
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>24, 361/390, d1=0.569, d2=0.778, g=0.999
2/2 [==============================] - 0s 4ms/step
>24, 362/390, d1=0.585, d2=0.653, g=1.048
2/2 [==============================] - 0s 4ms/step
>24, 363/390, d1=0.753, d2=0.588, g=1.044
2/2 [==============================] - 0s 4ms/step
>24, 364/390, d1=0.656, d2=0.576, g=1.035
2/2 [==============================] - 0s 4ms/step
>24, 365/390, d1=0.654, d2=0.687, g=1.051
2/2 [==============================] - 0s 4ms/step
>24, 366/390, d1=0.786, d2=0.662, g=0.965
2/2 [==============================] - 0s 3ms/step
>24, 367/390, d1=0.757, d2=0.735, g=0.939
2/2 [==============================] - 0s 4ms/step
>24, 368/390, d1=0.798, d2=0.623, g=1.003
2/2 [==============================] - 0s 4ms/step
>24, 369/390, d1=0.856, d2=0.571, g=0.966
2/2 [==============================] - 0s 4ms/step
>24, 370/390, d1=0.777, d2=0.591, g=0.934
2/2 [==============================] - 0s 4ms/step
>24, 371/390, d1=0.722, d2=0.587, g=0.950
2/2 [==============================] - 0s 3ms/step
>24, 372/390, d1=0.736, d2=0.526, g=0.952
2/2 [==============================] - 0s 4ms/step
>24, 373/390, d1=0.753, d2=0.622, g=0.933
2/2 [==============================] - 0s 4ms/step
>24, 374/390, d1=0.698, d2=0.656, g=0.949
2/2 [==============================] - 0s 4ms/step
>24, 375/390, d1=0.631, d2=0.594, g=0.930
2/2 [==============================] - 0s 4ms/step
>24, 376/390, d1=0.639, d2=0.591, g=0.916
2/2 [==============================] - 0s 4ms/step
>24, 377/390, d1=0.641, d2=0.600, g=0.957
2/2 [==============================] - 0s 4ms/step
>24, 378/390, d1=0.606, d2=0.555, g=0.940
2/2 [==============================] - 0s 4ms/step
>24, 379/390, d1=0.582, d2=0.612, g=0.910
2/2 [==============================] - 0s 4ms/step
>24, 380/390, d1=0.597, d2=0.638, g=0.926
2/2 [==============================] - 0s 4ms/step
>24, 381/390, d1=0.645, d2=0.584, g=0.894
2/2 [==============================] - 0s 3ms/step
>24, 382/390, d1=0.644, d2=0.593, g=0.898
2/2 [==============================] - 0s 4ms/step
>24, 383/390, d1=0.584, d2=0.607, g=0.876
2/2 [==============================] - 0s 4ms/step
>24, 384/390, d1=0.495, d2=0.726, g=0.932
2/2 [==============================] - 0s 3ms/step
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>24, 385/390, d1=0.564, d2=0.664, g=0.921
2/2 [==============================] - 0s 4ms/step
>24, 386/390, d1=0.485, d2=0.687, g=0.917
2/2 [==============================] - 0s 4ms/step
>24, 387/390, d1=0.521, d2=0.680, g=0.952
2/2 [==============================] - 0s 4ms/step
>24, 388/390, d1=0.519, d2=0.669, g=0.922
2/2 [==============================] - 0s 4ms/step
>24, 389/390, d1=0.650, d2=0.637, g=0.906
2/2 [==============================] - 0s 4ms/step
>24, 390/390, d1=0.600, d2=0.620, g=0.934
2/2 [==============================] - 0s 4ms/step
>26, 1/390, d1=0.646, d2=0.619, g=0.876
2/2 [==============================] - 0s 4ms/step
>26, 2/390, d1=0.749, d2=0.656, g=0.911
2/2 [==============================] - 0s 4ms/step
>26, 3/390, d1=0.677, d2=0.729, g=0.918
2/2 [==============================] - 0s 4ms/step
>26, 4/390, d1=0.710, d2=0.590, g=0.978
2/2 [==============================] - 0s 5ms/step
>26, 5/390, d1=0.752, d2=0.542, g=1.035
2/2 [==============================] - 0s 4ms/step
>26, 6/390, d1=0.801, d2=0.550, g=1.043
2/2 [==============================] - 0s 4ms/step
>26, 7/390, d1=0.729, d2=0.578, g=1.016
2/2 [==============================] - 0s 4ms/step
>26, 8/390, d1=0.733, d2=0.579, g=0.948
2/2 [==============================] - 0s 4ms/step
>26, 9/390, d1=0.757, d2=0.634, g=0.875
2/2 [==============================] - 0s 4ms/step
>26, 10/390, d1=0.739, d2=0.693, g=0.859
2/2 [==============================] - 0s 4ms/step
>26, 11/390, d1=0.667, d2=0.657, g=0.855
2/2 [==============================] - 0s 4ms/step
>26, 12/390, d1=0.670, d2=0.701, g=0.896
2/2 [==============================] - 0s 4ms/step
>26, 13/390, d1=0.708, d2=0.594, g=0.923
2/2 [==============================] - 0s 4ms/step
>26, 14/390, d1=0.681, d2=0.617, g=0.889
2/2 [==============================] - 0s 3ms/step
>26, 15/390, d1=0.637, d2=0.637, g=0.837
2/2 [==============================] - 0s 3ms/step
>26, 16/390, d1=0.588, d2=0.683, g=0.878
2/2 [==============================] - 0s 4ms/step
>26, 17/390, d1=0.565, d2=0.711, g=0.894
2/2 [==============================] - 0s 4ms/step
>26, 18/390, d1=0.639, d2=0.719, g=0.896
2/2 [==============================] - 0s 4ms/step
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>26, 19/390, d1=0.720, d2=0.609, g=0.988
2/2 [==============================] - 0s 4ms/step
>26, 20/390, d1=0.682, d2=0.622, g=1.029
2/2 [==============================] - 0s 4ms/step
>26, 21/390, d1=0.595, d2=0.589, g=1.002
2/2 [==============================] - 0s 4ms/step
>26, 22/390, d1=0.715, d2=0.612, g=0.925
2/2 [==============================] - 0s 4ms/step
>26, 23/390, d1=0.643, d2=0.592, g=0.883
2/2 [==============================] - 0s 4ms/step
>26, 24/390, d1=0.706, d2=0.692, g=0.803
2/2 [==============================] - 0s 4ms/step
>26, 25/390, d1=0.667, d2=0.714, g=0.903
2/2 [==============================] - 0s 4ms/step
>26, 26/390, d1=0.719, d2=0.691, g=0.891
2/2 [==============================] - 0s 4ms/step
>26, 27/390, d1=0.696, d2=0.618, g=0.907
2/2 [==============================] - 0s 5ms/step
>26, 28/390, d1=0.719, d2=0.632, g=0.908
2/2 [==============================] - 0s 4ms/step
>26, 29/390, d1=0.696, d2=0.593, g=0.916
2/2 [==============================] - 0s 4ms/step
>26, 30/390, d1=0.664, d2=0.634, g=0.867
2/2 [==============================] - 0s 4ms/step
>26, 31/390, d1=0.665, d2=0.677, g=0.949
2/2 [==============================] - 0s 3ms/step
>26, 32/390, d1=0.715, d2=0.595, g=0.858
2/2 [==============================] - 0s 4ms/step
>26, 33/390, d1=0.632, d2=0.631, g=0.851
2/2 [==============================] - 0s 4ms/step
>26, 34/390, d1=0.658, d2=0.650, g=0.827
2/2 [==============================] - 0s 4ms/step
>26, 35/390, d1=0.644, d2=0.690, g=0.828
2/2 [==============================] - 0s 4ms/step
>26, 36/390, d1=0.626, d2=0.645, g=0.832
2/2 [==============================] - 0s 4ms/step
>26, 37/390, d1=0.650, d2=0.612, g=0.843
2/2 [==============================] - 0s 4ms/step
>26, 38/390, d1=0.645, d2=0.639, g=0.846
2/2 [==============================] - 0s 4ms/step
>26, 39/390, d1=0.572, d2=0.675, g=0.887
2/2 [==============================] - 0s 4ms/step
>26, 40/390, d1=0.587, d2=0.622, g=0.918
2/2 [==============================] - 0s 4ms/step
>26, 41/390, d1=0.621, d2=0.637, g=0.871
2/2 [==============================] - 0s 4ms/step
>26, 42/390, d1=0.567, d2=0.658, g=0.875
2/2 [==============================] - 0s 4ms/step
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>26, 43/390, d1=0.617, d2=0.626, g=0.833
2/2 [==============================] - 0s 4ms/step
>26, 44/390, d1=0.622, d2=0.711, g=0.827
2/2 [==============================] - 0s 4ms/step
>26, 45/390, d1=0.570, d2=0.728, g=0.850
2/2 [==============================] - 0s 5ms/step
>26, 46/390, d1=0.564, d2=0.671, g=0.909
2/2 [==============================] - 0s 4ms/step
>26, 47/390, d1=0.638, d2=0.656, g=0.943
2/2 [==============================] - 0s 4ms/step
>26, 48/390, d1=0.650, d2=0.700, g=0.932
2/2 [==============================] - 0s 4ms/step
>26, 49/390, d1=0.803, d2=0.595, g=0.916
2/2 [==============================] - 0s 4ms/step
>26, 50/390, d1=0.701, d2=0.594, g=0.885
2/2 [==============================] - 0s 4ms/step
>26, 51/390, d1=0.701, d2=0.603, g=0.835
2/2 [==============================] - 0s 4ms/step
>26, 52/390, d1=0.658, d2=0.674, g=0.809
2/2 [==============================] - 0s 4ms/step
>26, 53/390, d1=0.645, d2=0.697, g=0.805
2/2 [==============================] - 0s 4ms/step
>26, 54/390, d1=0.674, d2=0.751, g=0.833
2/2 [==============================] - 0s 4ms/step
>26, 55/390, d1=0.697, d2=0.662, g=0.835
2/2 [==============================] - 0s 4ms/step
>26, 56/390, d1=0.655, d2=0.681, g=0.844
2/2 [==============================] - 0s 4ms/step
>26, 57/390, d1=0.606, d2=0.665, g=0.937
2/2 [==============================] - 0s 4ms/step
>26, 58/390, d1=0.650, d2=0.584, g=0.942
2/2 [==============================] - 0s 4ms/step
>26, 59/390, d1=0.624, d2=0.649, g=0.974
2/2 [==============================] - 0s 4ms/step
>26, 60/390, d1=0.657, d2=0.610, g=0.855
2/2 [==============================] - 0s 4ms/step
>26, 61/390, d1=0.673, d2=0.595, g=0.955
2/2 [==============================] - 0s 4ms/step
>26, 62/390, d1=0.681, d2=0.747, g=0.951
2/2 [==============================] - 0s 4ms/step
>26, 63/390, d1=0.646, d2=0.680, g=0.950
2/2 [==============================] - 0s 4ms/step
>26, 64/390, d1=0.692, d2=0.569, g=0.966
2/2 [==============================] - 0s 4ms/step
>26, 65/390, d1=0.628, d2=0.560, g=0.948
2/2 [==============================] - 0s 4ms/step
>26, 66/390, d1=0.709, d2=0.572, g=0.914
2/2 [==============================] - 0s 4ms/step
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>26, 67/390, d1=0.693, d2=0.644, g=0.899
2/2 [==============================] - 0s 4ms/step
>26, 68/390, d1=0.677, d2=0.606, g=0.857
2/2 [==============================] - 0s 4ms/step
>26, 69/390, d1=0.704, d2=0.614, g=0.835
2/2 [==============================] - 0s 4ms/step
>26, 70/390, d1=0.690, d2=0.666, g=0.859
2/2 [==============================] - 0s 4ms/step
>26, 71/390, d1=0.655, d2=0.686, g=0.850
2/2 [==============================] - 0s 4ms/step
>26, 72/390, d1=0.646, d2=0.637, g=0.813
2/2 [==============================] - 0s 4ms/step
>26, 73/390, d1=0.632, d2=0.646, g=0.810
2/2 [==============================] - 0s 4ms/step
>26, 74/390, d1=0.611, d2=0.702, g=0.798
2/2 [==============================] - 0s 4ms/step
>26, 75/390, d1=0.584, d2=0.675, g=0.840
2/2 [==============================] - 0s 4ms/step
>26, 76/390, d1=0.700, d2=0.657, g=0.847
2/2 [==============================] - 0s 4ms/step
>26, 77/390, d1=0.598, d2=0.717, g=0.840
2/2 [==============================] - 0s 4ms/step
>26, 78/390, d1=0.669, d2=0.655, g=0.859
2/2 [==============================] - 0s 4ms/step
>26, 79/390, d1=0.615, d2=0.718, g=0.876
2/2 [==============================] - 0s 4ms/step
>26, 80/390, d1=0.709, d2=0.625, g=0.872
2/2 [==============================] - 0s 4ms/step
>26, 81/390, d1=0.637, d2=0.691, g=0.897
2/2 [==============================] - 0s 3ms/step
>26, 82/390, d1=0.577, d2=0.597, g=0.896
2/2 [==============================] - 0s 4ms/step
>26, 83/390, d1=0.652, d2=0.659, g=0.930
2/2 [==============================] - 0s 4ms/step
>26, 84/390, d1=0.641, d2=0.605, g=0.906
2/2 [==============================] - 0s 5ms/step
>26, 85/390, d1=0.625, d2=0.639, g=0.879
2/2 [==============================] - 0s 4ms/step
>26, 86/390, d1=0.669, d2=0.617, g=0.852
2/2 [==============================] - 0s 4ms/step
>26, 87/390, d1=0.595, d2=0.658, g=0.854
2/2 [==============================] - 0s 4ms/step
>26, 88/390, d1=0.626, d2=0.649, g=0.893
2/2 [==============================] - 0s 4ms/step
>26, 89/390, d1=0.655, d2=0.680, g=0.872
2/2 [==============================] - 0s 4ms/step
>26, 90/390, d1=0.638, d2=0.652, g=0.899
2/2 [==============================] - 0s 4ms/step
```

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>26, 91/390, d1=0.630, d2=0.633, g=0.934
2/2 [==============================] - 0s 4ms/step
>26, 92/390, d1=0.648, d2=0.581, g=0.896
2/2 [==============================] - 0s 4ms/step
>26, 93/390, d1=0.665, d2=0.597, g=0.935
2/2 [==============================] - 0s 4ms/step
>26, 94/390, d1=0.628, d2=0.597, g=0.932
2/2 [==============================] - 0s 4ms/step
>26, 95/390, d1=0.628, d2=0.661, g=0.947
2/2 [==============================] - 0s 4ms/step
>26, 96/390, d1=0.632, d2=0.656, g=0.952
2/2 [==============================] - 0s 4ms/step
>26, 97/390, d1=0.638, d2=0.639, g=0.929
2/2 [==============================] - 0s 4ms/step
>26, 98/390, d1=0.659, d2=0.583, g=0.932
2/2 [==============================] - 0s 4ms/step
>26, 99/390, d1=0.649, d2=0.583, g=0.964
2/2 [==============================] - 0s 4ms/step
>26, 100/390, d1=0.662, d2=0.580, g=0.981
2/2 [==============================] - 0s 4ms/step
>26, 101/390, d1=0.638, d2=0.542, g=1.095
2/2 [==============================] - 0s 4ms/step
>26, 102/390, d1=0.652, d2=0.522, g=0.994
2/2 [==============================] - 0s 4ms/step
>26, 103/390, d1=0.562, d2=0.652, g=0.917
2/2 [==============================] - 0s 4ms/step
>26, 104/390, d1=0.644, d2=0.672, g=0.878
2/2 [==============================] - 0s 4ms/step
>26, 105/390, d1=0.630, d2=0.731, g=0.838
2/2 [==============================] - 0s 3ms/step
>26, 106/390, d1=0.610, d2=0.699, g=0.850
2/2 [==============================] - 0s 4ms/step
>26, 107/390, d1=0.568, d2=0.660, g=0.899
2/2 [==============================] - 0s 4ms/step
>26, 108/390, d1=0.597, d2=0.680, g=0.909
2/2 [==============================] - 0s 4ms/step
>26, 109/390, d1=0.638, d2=0.888, g=0.990
2/2 [==============================] - 0s 4ms/step
>26, 110/390, d1=0.644, d2=0.655, g=1.011
2/2 [==============================] - 0s 4ms/step
>26, 111/390, d1=0.797, d2=0.591, g=0.983
2/2 [==============================] - 0s 4ms/step
>26, 112/390, d1=0.737, d2=0.658, g=0.951
2/2 [==============================] - 0s 4ms/step
>26, 113/390, d1=0.814, d2=0.629, g=0.922
2/2 [==============================] - 0s 4ms/step
>26, 114/390, d1=0.700, d2=0.608, g=0.859
2/2 [==============================] - 0s 4ms/step
```

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>26, 115/390, d1=0.713, d2=0.703, g=0.916
2/2 [==============================] - 0s 4ms/step
>26, 116/390, d1=0.590, d2=0.608, g=0.930
2/2 [==============================] - 0s 4ms/step
>26, 117/390, d1=0.656, d2=0.612, g=0.882
2/2 [==============================] - 0s 4ms/step
>26, 118/390, d1=0.662, d2=0.666, g=0.857
2/2 [==============================] - 0s 4ms/step
>26, 119/390, d1=0.667, d2=0.639, g=0.901
2/2 [==============================] - 0s 4ms/step
>26, 120/390, d1=0.559, d2=0.697, g=0.855
2/2 [==============================] - 0s 4ms/step
>26, 121/390, d1=0.622, d2=0.638, g=0.894
2/2 [==============================] - 0s 4ms/step
>26, 122/390, d1=0.642, d2=0.670, g=0.931
2/2 [==============================] - 0s 4ms/step
>26, 123/390, d1=0.636, d2=0.600, g=0.920
2/2 [==============================] - 0s 3ms/step
>26, 124/390, d1=0.682, d2=0.646, g=0.881
2/2 [==============================] - 0s 4ms/step
>26, 125/390, d1=0.648, d2=0.708, g=0.903
2/2 [==============================] - 0s 4ms/step
>26, 126/390, d1=0.604, d2=0.609, g=0.915
2/2 [==============================] - 0s 4ms/step
>26, 127/390, d1=0.602, d2=0.582, g=0.886
2/2 [==============================] - 0s 4ms/step
>26, 128/390, d1=0.610, d2=0.682, g=0.923
2/2 [==============================] - 0s 4ms/step
>26, 129/390, d1=0.614, d2=0.702, g=0.866
2/2 [==============================] - 0s 4ms/step
>26, 130/390, d1=0.690, d2=0.761, g=0.938
2/2 [==============================] - 0s 4ms/step
>26, 131/390, d1=0.692, d2=0.637, g=1.009
2/2 [==============================] - 0s 4ms/step
>26, 132/390, d1=0.724, d2=0.523, g=1.016
2/2 [==============================] - 0s 4ms/step
>26, 133/390, d1=0.692, d2=0.533, g=1.029
2/2 [==============================] - 0s 4ms/step
>26, 134/390, d1=0.630, d2=0.564, g=0.937
2/2 [==============================] - 0s 4ms/step
>26, 135/390, d1=0.675, d2=0.583, g=0.910
2/2 [==============================] - 0s 4ms/step
>26, 136/390, d1=0.597, d2=0.653, g=0.899
2/2 [==============================] - 0s 4ms/step
>26, 137/390, d1=0.576, d2=0.577, g=0.877
2/2 [==============================] - 0s 4ms/step
>26, 138/390, d1=0.523, d2=0.786, g=0.986
2/2 [==============================] - 0s 4ms/step
```

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>26, 139/390, d1=0.606, d2=0.585, g=1.023
2/2 [==============================] - 0s 4ms/step
>26, 140/390, d1=0.647, d2=0.549, g=0.979
2/2 [==============================] - 0s 4ms/step
>26, 141/390, d1=0.584, d2=0.596, g=1.035
2/2 [==============================] - 0s 4ms/step
>26, 142/390, d1=0.621, d2=0.667, g=0.987
2/2 [==============================] - 0s 4ms/step
>26, 143/390, d1=0.680, d2=0.606, g=0.958
2/2 [==============================] - 0s 4ms/step
>26, 144/390, d1=0.576, d2=0.786, g=0.949
2/2 [==============================] - 0s 4ms/step
>26, 145/390, d1=0.647, d2=0.769, g=1.024
2/2 [==============================] - 0s 4ms/step
>26, 146/390, d1=0.736, d2=0.470, g=1.083
2/2 [==============================] - 0s 3ms/step
>26, 147/390, d1=0.761, d2=0.553, g=1.019
2/2 [==============================] - 0s 3ms/step
>26, 148/390, d1=0.700, d2=0.554, g=0.957
2/2 [==============================] - 0s 4ms/step
>26, 149/390, d1=0.610, d2=0.566, g=0.979
2/2 [==============================] - 0s 4ms/step
>26, 150/390, d1=0.603, d2=0.629, g=0.892
2/2 [==============================] - 0s 4ms/step
>26, 151/390, d1=0.560, d2=0.739, g=0.851
2/2 [==============================] - 0s 4ms/step
>26, 152/390, d1=0.597, d2=0.768, g=0.793
2/2 [==============================] - 0s 4ms/step
>26, 153/390, d1=0.606, d2=0.767, g=0.880
2/2 [==============================] - 0s 4ms/step
>26, 154/390, d1=0.616, d2=0.658, g=0.849
2/2 [==============================] - 0s 4ms/step
>26, 155/390, d1=0.675, d2=0.700, g=0.930
2/2 [==============================] - 0s 4ms/step
>26, 156/390, d1=0.672, d2=0.637, g=0.894
2/2 [==============================] - 0s 4ms/step
>26, 157/390, d1=0.763, d2=0.585, g=0.902
2/2 [==============================] - 0s 4ms/step
>26, 158/390, d1=0.699, d2=0.649, g=0.917
2/2 [==============================] - 0s 4ms/step
>26, 159/390, d1=0.677, d2=0.612, g=0.934
2/2 [==============================] - 0s 4ms/step
>26, 160/390, d1=0.688, d2=0.565, g=0.942
2/2 [==============================] - 0s 4ms/step
>26, 161/390, d1=0.766, d2=0.589, g=0.918
2/2 [==============================] - 0s 4ms/step
>26, 162/390, d1=0.666, d2=0.577, g=0.876
2/2 [==============================] - 0s 4ms/step
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>26, 163/390, d1=0.583, d2=0.626, g=0.924
2/2 [==============================] - 0s 4ms/step
>26, 164/390, d1=0.702, d2=0.603, g=0.920
2/2 [==============================] - 0s 4ms/step
>26, 165/390, d1=0.675, d2=0.569, g=0.974
2/2 [==============================] - 0s 4ms/step
>26, 166/390, d1=0.691, d2=0.569, g=0.935
2/2 [==============================] - 0s 3ms/step
>26, 167/390, d1=0.596, d2=0.627, g=0.937
2/2 [==============================] - 0s 4ms/step
>26, 168/390, d1=0.656, d2=0.604, g=0.911
2/2 [==============================] - 0s 3ms/step
>26, 169/390, d1=0.638, d2=0.638, g=0.881
2/2 [==============================] - 0s 4ms/step
>26, 170/390, d1=0.589, d2=0.660, g=0.837
2/2 [==============================] - 0s 4ms/step
>26, 171/390, d1=0.618, d2=0.695, g=0.781
2/2 [==============================] - 0s 4ms/step
>26, 172/390, d1=0.604, d2=0.629, g=0.845
2/2 [==============================] - 0s 4ms/step
>26, 173/390, d1=0.615, d2=0.623, g=0.875
2/2 [==============================] - 0s 4ms/step
>26, 174/390, d1=0.667, d2=0.610, g=0.890
2/2 [==============================] - 0s 4ms/step
>26, 175/390, d1=0.590, d2=0.683, g=0.892
2/2 [==============================] - 0s 4ms/step
>26, 176/390, d1=0.592, d2=0.682, g=0.898
2/2 [==============================] - 0s 4ms/step
>26, 177/390, d1=0.533, d2=0.671, g=0.905
2/2 [==============================] - 0s 4ms/step
>26, 178/390, d1=0.570, d2=0.699, g=0.881
2/2 [==============================] - 0s 4ms/step
>26, 179/390, d1=0.661, d2=0.669, g=0.895
2/2 [==============================] - 0s 4ms/step
>26, 180/390, d1=0.706, d2=0.726, g=0.920
2/2 [==============================] - 0s 4ms/step
>26, 181/390, d1=0.753, d2=0.601, g=1.004
2/2 [==============================] - 0s 4ms/step
>26, 182/390, d1=0.764, d2=0.607, g=1.005
2/2 [==============================] - 0s 4ms/step
>26, 183/390, d1=0.725, d2=0.541, g=0.978
2/2 [==============================] - 0s 4ms/step
>26, 184/390, d1=0.723, d2=0.555, g=0.959
2/2 [==============================] - 0s 4ms/step
>26, 185/390, d1=0.693, d2=0.586, g=0.878
2/2 [==============================] - 0s 4ms/step
>26, 186/390, d1=0.686, d2=0.592, g=0.881
2/2 [==============================] - 0s 4ms/step
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>26, 187/390, d1=0.715, d2=0.704, g=0.886
2/2 [==============================] - 0s 4ms/step
>26, 188/390, d1=0.648, d2=0.651, g=0.888
2/2 [==============================] - 0s 4ms/step
>26, 189/390, d1=0.646, d2=0.637, g=0.883
2/2 [==============================] - 0s 4ms/step
>26, 190/390, d1=0.603, d2=0.597, g=0.868
2/2 [==============================] - 0s 4ms/step
>26, 191/390, d1=0.676, d2=0.699, g=0.832
2/2 [==============================] - 0s 4ms/step
>26, 192/390, d1=0.654, d2=0.660, g=0.854
2/2 [==============================] - 0s 4ms/step
>26, 193/390, d1=0.654, d2=0.643, g=0.835
2/2 [==============================] - 0s 5ms/step
>26, 194/390, d1=0.632, d2=0.699, g=0.830
2/2 [==============================] - 0s 4ms/step
>26, 195/390, d1=0.654, d2=0.659, g=0.890
2/2 [==============================] - 0s 4ms/step
>26, 196/390, d1=0.638, d2=0.625, g=0.904
2/2 [==============================] - 0s 4ms/step
>26, 197/390, d1=0.694, d2=0.612, g=0.855
2/2 [==============================] - 0s 4ms/step
>26, 198/390, d1=0.641, d2=0.653, g=0.860
2/2 [==============================] - 0s 4ms/step
>26, 199/390, d1=0.654, d2=0.650, g=0.887
2/2 [==============================] - 0s 4ms/step
>26, 200/390, d1=0.633, d2=0.634, g=0.872
2/2 [==============================] - 0s 4ms/step
>26, 201/390, d1=0.674, d2=0.655, g=0.868
2/2 [==============================] - 0s 3ms/step
>26, 202/390, d1=0.654, d2=0.664, g=0.846
2/2 [==============================] - 0s 4ms/step
>26, 203/390, d1=0.690, d2=0.625, g=0.879
2/2 [==============================] - 0s 4ms/step
>26, 204/390, d1=0.651, d2=0.618, g=0.855
2/2 [==============================] - 0s 4ms/step
>26, 205/390, d1=0.608, d2=0.671, g=0.874
2/2 [==============================] - 0s 4ms/step
>26, 206/390, d1=0.665, d2=0.639, g=0.900
2/2 [==============================] - 0s 4ms/step
>26, 207/390, d1=0.679, d2=0.688, g=0.895
2/2 [==============================] - 0s 4ms/step
>26, 208/390, d1=0.677, d2=0.731, g=0.887
2/2 [==============================] - 0s 4ms/step
>26, 209/390, d1=0.671, d2=0.564, g=0.925
2/2 [==============================] - 0s 4ms/step
>26, 210/390, d1=0.604, d2=0.600, g=0.897
2/2 [==============================] - 0s 3ms/step
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>26, 211/390, d1=0.590, d2=0.756, g=0.899
2/2 [==============================] - 0s 4ms/step
>26, 212/390, d1=0.632, d2=0.622, g=0.902
2/2 [==============================] - 0s 4ms/step
>26, 213/390, d1=0.700, d2=0.649, g=0.901
2/2 [==============================] - 0s 4ms/step
>26, 214/390, d1=0.620, d2=0.625, g=0.843
2/2 [==============================] - 0s 4ms/step
>26, 215/390, d1=0.632, d2=0.618, g=0.890
2/2 [==============================] - 0s 4ms/step
>26, 216/390, d1=0.666, d2=0.612, g=0.929
2/2 [==============================] - 0s 4ms/step
>26, 217/390, d1=0.696, d2=0.597, g=0.852
2/2 [==============================] - 0s 4ms/step
>26, 218/390, d1=0.665, d2=0.601, g=0.838
2/2 [==============================] - 0s 4ms/step
>26, 219/390, d1=0.562, d2=0.635, g=0.836
2/2 [==============================] - 0s 4ms/step
>26, 220/390, d1=0.548, d2=0.676, g=0.872
2/2 [==============================] - 0s 4ms/step
>26, 221/390, d1=0.563, d2=0.605, g=0.936
2/2 [==============================] - 0s 4ms/step
>26, 222/390, d1=0.615, d2=0.623, g=0.942
2/2 [==============================] - 0s 4ms/step
>26, 223/390, d1=0.601, d2=0.636, g=0.917
2/2 [==============================] - 0s 4ms/step
>26, 224/390, d1=0.607, d2=0.617, g=0.903
2/2 [==============================] - 0s 3ms/step
>26, 225/390, d1=0.547, d2=0.653, g=0.861
2/2 [==============================] - 0s 4ms/step
>26, 226/390, d1=0.573, d2=0.672, g=0.864
2/2 [==============================] - 0s 4ms/step
>26, 227/390, d1=0.571, d2=0.821, g=0.832
2/2 [==============================] - 0s 4ms/step
>26, 228/390, d1=0.610, d2=0.737, g=0.870
2/2 [==============================] - 0s 4ms/step
>26, 229/390, d1=0.675, d2=0.670, g=0.921
2/2 [==============================] - 0s 4ms/step
>26, 230/390, d1=0.649, d2=0.652, g=0.971
2/2 [==============================] - 0s 4ms/step
>26, 231/390, d1=0.704, d2=0.623, g=0.971
2/2 [==============================] - 0s 4ms/step
>26, 232/390, d1=0.690, d2=0.629, g=0.957
2/2 [==============================] - 0s 5ms/step
>26, 233/390, d1=0.651, d2=0.568, g=0.940
2/2 [==============================] - 0s 4ms/step
>26, 234/390, d1=0.645, d2=0.655, g=0.950
2/2 [==============================] - 0s 4ms/step
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>26, 235/390, d1=0.625, d2=0.624, g=0.918
2/2 [==============================] - 0s 3ms/step
>26, 236/390, d1=0.545, d2=0.664, g=0.948
2/2 [==============================] - 0s 3ms/step
>26, 237/390, d1=0.529, d2=0.701, g=0.907
2/2 [==============================] - 0s 4ms/step
>26, 238/390, d1=0.535, d2=0.858, g=0.869
2/2 [==============================] - 0s 4ms/step
>26, 239/390, d1=0.632, d2=0.685, g=0.897
2/2 [==============================] - 0s 4ms/step
>26, 240/390, d1=0.692, d2=0.602, g=0.986
2/2 [==============================] - 0s 5ms/step
>26, 241/390, d1=0.701, d2=0.521, g=0.949
2/2 [==============================] - 0s 4ms/step
>26, 242/390, d1=0.687, d2=0.570, g=0.944
2/2 [==============================] - 0s 4ms/step
>26, 243/390, d1=0.698, d2=0.584, g=0.931
2/2 [==============================] - 0s 4ms/step
>26, 244/390, d1=0.535, d2=0.665, g=0.955
2/2 [==============================] - 0s 4ms/step
>26, 245/390, d1=0.596, d2=0.582, g=1.031
2/2 [==============================] - 0s 4ms/step
>26, 246/390, d1=0.556, d2=0.673, g=1.032
2/2 [==============================] - 0s 4ms/step
>26, 247/390, d1=0.709, d2=0.588, g=1.025
2/2 [==============================] - 0s 4ms/step
>26, 248/390, d1=0.657, d2=0.520, g=1.047
2/2 [==============================] - 0s 3ms/step
>26, 249/390, d1=0.651, d2=0.611, g=0.938
2/2 [==============================] - 0s 4ms/step
>26, 250/390, d1=0.707, d2=0.563, g=0.884
2/2 [==============================] - 0s 4ms/step
>26, 251/390, d1=0.603, d2=0.695, g=0.876
2/2 [==============================] - 0s 4ms/step
>26, 252/390, d1=0.728, d2=0.697, g=0.873
2/2 [==============================] - 0s 4ms/step
>26, 253/390, d1=0.681, d2=0.641, g=0.922
2/2 [==============================] - 0s 4ms/step
>26, 254/390, d1=0.727, d2=0.602, g=0.953
2/2 [==============================] - 0s 4ms/step
>26, 255/390, d1=0.662, d2=0.580, g=0.999
2/2 [==============================] - 0s 4ms/step
>26, 256/390, d1=0.641, d2=0.596, g=0.999
2/2 [==============================] - 0s 4ms/step
>26, 257/390, d1=0.610, d2=0.528, g=0.950
2/2 [==============================] - 0s 4ms/step
>26, 258/390, d1=0.580, d2=0.671, g=0.980
2/2 [==============================] - 0s 4ms/step
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>26, 259/390, d1=0.676, d2=0.632, g=0.985
2/2 [==============================] - 0s 4ms/step
>26, 260/390, d1=0.641, d2=0.560, g=0.988
2/2 [==============================] - 0s 4ms/step
>26, 261/390, d1=0.680, d2=0.605, g=0.906
2/2 [==============================] - 0s 4ms/step
>26, 262/390, d1=0.673, d2=0.626, g=0.995
2/2 [==============================] - 0s 4ms/step
>26, 263/390, d1=0.777, d2=0.527, g=0.955
2/2 [==============================] - 0s 4ms/step
>26, 264/390, d1=0.701, d2=0.606, g=0.903
2/2 [==============================] - 0s 4ms/step
>26, 265/390, d1=0.646, d2=0.635, g=0.799
2/2 [==============================] - 0s 4ms/step
>26, 266/390, d1=0.607, d2=0.669, g=0.822
2/2 [==============================] - 0s 4ms/step
>26, 267/390, d1=0.582, d2=0.729, g=0.838
2/2 [==============================] - 0s 4ms/step
>26, 268/390, d1=0.596, d2=0.689, g=0.881
2/2 [==============================] - 0s 4ms/step
>26, 269/390, d1=0.644, d2=0.613, g=0.879
2/2 [==============================] - 0s 4ms/step
>26, 270/390, d1=0.609, d2=0.640, g=0.900
2/2 [==============================] - 0s 4ms/step
>26, 271/390, d1=0.564, d2=0.624, g=0.872
2/2 [==============================] - 0s 4ms/step
>26, 272/390, d1=0.609, d2=0.668, g=0.888
2/2 [==============================] - 0s 4ms/step
>26, 273/390, d1=0.629, d2=0.641, g=0.955
2/2 [==============================] - 0s 4ms/step
>26, 274/390, d1=0.678, d2=0.641, g=0.907
2/2 [==============================] - 0s 4ms/step
>26, 275/390, d1=0.679, d2=0.689, g=0.840
2/2 [==============================] - 0s 4ms/step
>26, 276/390, d1=0.674, d2=0.679, g=0.848
2/2 [==============================] - 0s 4ms/step
>26, 277/390, d1=0.657, d2=0.750, g=0.851
2/2 [==============================] - 0s 4ms/step
>26, 278/390, d1=0.691, d2=0.630, g=0.872
2/2 [==============================] - 0s 4ms/step
>26, 279/390, d1=0.706, d2=0.651, g=0.901
2/2 [==============================] - 0s 4ms/step
>26, 280/390, d1=0.645, d2=0.581, g=0.921
2/2 [==============================] - 0s 4ms/step
>26, 281/390, d1=0.629, d2=0.620, g=0.904
2/2 [==============================] - 0s 4ms/step
>26, 282/390, d1=0.687, d2=0.679, g=0.976
2/2 [==============================] - 0s 4ms/step
```

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>26, 283/390, d1=0.585, d2=0.685, g=0.938
2/2 [==============================] - 0s 4ms/step
>26, 284/390, d1=0.666, d2=0.601, g=1.012
2/2 [==============================] - 0s 4ms/step
>26, 285/390, d1=0.677, d2=0.530, g=0.989
2/2 [==============================] - 0s 4ms/step
>26, 286/390, d1=0.720, d2=0.602, g=0.996
2/2 [==============================] - 0s 4ms/step
>26, 287/390, d1=0.719, d2=0.545, g=0.967
2/2 [==============================] - 0s 4ms/step
>26, 288/390, d1=0.618, d2=0.595, g=0.940
2/2 [==============================] - 0s 4ms/step
>26, 289/390, d1=0.603, d2=0.641, g=0.962
2/2 [==============================] - 0s 4ms/step
>26, 290/390, d1=0.658, d2=0.576, g=0.908
2/2 [==============================] - 0s 5ms/step
>26, 291/390, d1=0.577, d2=0.625, g=0.939
2/2 [==============================] - 0s 4ms/step
>26, 292/390, d1=0.643, d2=0.685, g=0.907
2/2 [==============================] - 0s 4ms/step
>26, 293/390, d1=0.655, d2=0.615, g=0.904
2/2 [==============================] - 0s 4ms/step
>26, 294/390, d1=0.653, d2=0.661, g=0.932
2/2 [==============================] - 0s 4ms/step
>26, 295/390, d1=0.650, d2=0.693, g=0.943
2/2 [==============================] - 0s 4ms/step
>26, 296/390, d1=0.653, d2=0.581, g=0.941
2/2 [==============================] - 0s 4ms/step
>26, 297/390, d1=0.661, d2=0.595, g=0.949
2/2 [==============================] - 0s 4ms/step
>26, 298/390, d1=0.576, d2=0.649, g=0.953
2/2 [==============================] - 0s 4ms/step
>26, 299/390, d1=0.617, d2=0.612, g=0.950
2/2 [==============================] - 0s 4ms/step
>26, 300/390, d1=0.624, d2=0.641, g=0.912
2/2 [==============================] - 0s 4ms/step
>26, 301/390, d1=0.742, d2=0.586, g=0.914
2/2 [==============================] - 0s 4ms/step
>26, 302/390, d1=0.660, d2=0.632, g=0.826
2/2 [==============================] - 0s 4ms/step
>26, 303/390, d1=0.586, d2=0.613, g=0.800
2/2 [==============================] - 0s 4ms/step
>26, 304/390, d1=0.645, d2=0.758, g=0.844
2/2 [==============================] - 0s 4ms/step
>26, 305/390, d1=0.583, d2=0.720, g=0.877
2/2 [==============================] - 0s 4ms/step
>26, 306/390, d1=0.708, d2=0.637, g=0.869
2/2 [==============================] - 0s 4ms/step
```

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>26, 307/390, d1=0.608, d2=0.603, g=0.869
2/2 [==============================] - 0s 4ms/step
>26, 308/390, d1=0.589, d2=0.698, g=0.945
2/2 [==============================] - 0s 4ms/step
>26, 309/390, d1=0.685, d2=0.617, g=0.947
2/2 [==============================] - 0s 3ms/step
>26, 310/390, d1=0.699, d2=0.583, g=0.945
2/2 [==============================] - 0s 4ms/step
>26, 311/390, d1=0.597, d2=0.606, g=0.940
2/2 [==============================] - 0s 4ms/step
>26, 312/390, d1=0.667, d2=0.605, g=0.917
2/2 [==============================] - 0s 4ms/step
>26, 313/390, d1=0.615, d2=0.606, g=0.948
2/2 [==============================] - 0s 4ms/step
>26, 314/390, d1=0.630, d2=0.669, g=0.911
2/2 [==============================] - 0s 4ms/step
>26, 315/390, d1=0.698, d2=0.718, g=0.917
2/2 [==============================] - 0s 3ms/step
>26, 316/390, d1=0.663, d2=0.628, g=1.001
2/2 [==============================] - 0s 4ms/step
>26, 317/390, d1=0.736, d2=0.527, g=0.983
2/2 [==============================] - 0s 4ms/step
>26, 318/390, d1=0.717, d2=0.577, g=0.968
2/2 [==============================] - 0s 3ms/step
>26, 319/390, d1=0.691, d2=0.584, g=0.905
2/2 [==============================] - 0s 4ms/step
>26, 320/390, d1=0.672, d2=0.655, g=0.875
2/2 [==============================] - 0s 4ms/step
>26, 321/390, d1=0.703, d2=0.643, g=0.840
2/2 [==============================] - 0s 4ms/step
>26, 322/390, d1=0.653, d2=0.652, g=0.823
2/2 [==============================] - 0s 4ms/step
>26, 323/390, d1=0.668, d2=0.674, g=0.838
2/2 [==============================] - 0s 3ms/step
>26, 324/390, d1=0.599, d2=0.694, g=0.844
2/2 [==============================] - 0s 4ms/step
>26, 325/390, d1=0.587, d2=0.643, g=0.859
2/2 [==============================] - 0s 4ms/step
>26, 326/390, d1=0.610, d2=0.679, g=0.876
2/2 [==============================] - 0s 4ms/step
>26, 327/390, d1=0.599, d2=0.701, g=0.861
2/2 [==============================] - 0s 4ms/step
>26, 328/390, d1=0.622, d2=0.642, g=0.873
2/2 [==============================] - 0s 4ms/step
>26, 329/390, d1=0.593, d2=0.647, g=0.868
2/2 [==============================] - 0s 4ms/step
>26, 330/390, d1=0.654, d2=0.644, g=0.894
2/2 [==============================] - 0s 4ms/step
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>26, 331/390, d1=0.616, d2=0.662, g=0.946
2/2 [==============================] - 0s 4ms/step
>26, 332/390, d1=0.597, d2=0.652, g=0.947
2/2 [==============================] - 0s 4ms/step
>26, 333/390, d1=0.679, d2=0.641, g=1.022
2/2 [==============================] - 0s 4ms/step
>26, 334/390, d1=0.663, d2=0.558, g=1.049
2/2 [==============================] - 0s 3ms/step
>26, 335/390, d1=0.763, d2=0.584, g=1.010
2/2 [==============================] - 0s 4ms/step
>26, 336/390, d1=0.699, d2=0.560, g=0.997
2/2 [==============================] - 0s 4ms/step
>26, 337/390, d1=0.752, d2=0.530, g=0.892
2/2 [==============================] - 0s 4ms/step
>26, 338/390, d1=0.674, d2=0.659, g=0.950
2/2 [==============================] - 0s 4ms/step
>26, 339/390, d1=0.750, d2=0.590, g=0.874
2/2 [==============================] - 0s 4ms/step
>26, 340/390, d1=0.695, d2=0.617, g=0.874
2/2 [==============================] - 0s 4ms/step
>26, 341/390, d1=0.649, d2=0.675, g=0.818
2/2 [==============================] - 0s 4ms/step
>26, 342/390, d1=0.609, d2=0.647, g=0.825
2/2 [==============================] - 0s 4ms/step
>26, 343/390, d1=0.641, d2=0.646, g=0.807
2/2 [==============================] - 0s 3ms/step
>26, 344/390, d1=0.576, d2=0.681, g=0.853
2/2 [==============================] - 0s 4ms/step
>26, 345/390, d1=0.675, d2=0.631, g=0.826
2/2 [==============================] - 0s 4ms/step
>26, 346/390, d1=0.667, d2=0.616, g=0.842
2/2 [==============================] - 0s 4ms/step
>26, 347/390, d1=0.626, d2=0.652, g=0.862
2/2 [==============================] - 0s 4ms/step
>26, 348/390, d1=0.644, d2=0.714, g=0.918
2/2 [==============================] - 0s 3ms/step
>26, 349/390, d1=0.541, d2=0.622, g=0.854
2/2 [==============================] - 0s 4ms/step
>26, 350/390, d1=0.613, d2=0.679, g=0.836
2/2 [==============================] - 0s 4ms/step
>26, 351/390, d1=0.678, d2=0.756, g=0.903
2/2 [==============================] - 0s 4ms/step
>26, 352/390, d1=0.654, d2=0.706, g=0.912
2/2 [==============================] - 0s 4ms/step
>26, 353/390, d1=0.626, d2=0.625, g=0.908
2/2 [==============================] - 0s 4ms/step
>26, 354/390, d1=0.636, d2=0.640, g=0.919
2/2 [==============================] - 0s 4ms/step
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>26, 355/390, d1=0.597, d2=0.586, g=0.888
2/2 [==============================] - 0s 4ms/step
>26, 356/390, d1=0.673, d2=0.627, g=0.966
2/2 [==============================] - 0s 4ms/step
>26, 357/390, d1=0.616, d2=0.576, g=1.008
2/2 [==============================] - 0s 3ms/step
>26, 358/390, d1=0.669, d2=0.593, g=0.985
2/2 [==============================] - 0s 3ms/step
>26, 359/390, d1=0.720, d2=0.691, g=1.067
2/2 [==============================] - 0s 3ms/step
>26, 360/390, d1=0.662, d2=0.586, g=1.020
2/2 [==============================] - 0s 4ms/step
>26, 361/390, d1=0.744, d2=0.553, g=0.924
2/2 [==============================] - 0s 4ms/step
>26, 362/390, d1=0.627, d2=0.641, g=0.802
2/2 [==============================] - 0s 4ms/step
>26, 363/390, d1=0.642, d2=0.738, g=0.856
2/2 [==============================] - 0s 3ms/step
>26, 364/390, d1=0.607, d2=0.668, g=0.912
2/2 [==============================] - 0s 4ms/step
>26, 365/390, d1=0.535, d2=0.573, g=0.918
2/2 [==============================] - 0s 3ms/step
>26, 366/390, d1=0.452, d2=0.677, g=0.939
2/2 [==============================] - 0s 4ms/step
>26, 367/390, d1=0.450, d2=0.821, g=0.860
2/2 [==============================] - 0s 4ms/step
>26, 368/390, d1=0.441, d2=0.938, g=0.993
2/2 [==============================] - 0s 4ms/step
>26, 369/390, d1=0.566, d2=0.503, g=1.029
2/2 [==============================] - 0s 3ms/step
>26, 370/390, d1=0.641, d2=0.578, g=0.988
2/2 [==============================] - 0s 4ms/step
>26, 371/390, d1=0.712, d2=0.641, g=0.975
2/2 [==============================] - 0s 4ms/step
>26, 372/390, d1=0.733, d2=0.634, g=1.012
2/2 [==============================] - 0s 4ms/step
>26, 373/390, d1=0.619, d2=0.729, g=1.049
2/2 [==============================] - 0s 4ms/step
>26, 374/390, d1=0.734, d2=0.557, g=1.090
2/2 [==============================] - 0s 4ms/step
>26, 375/390, d1=0.877, d2=0.513, g=1.023
2/2 [==============================] - 0s 4ms/step
>26, 376/390, d1=0.789, d2=0.514, g=0.960
2/2 [==============================] - 0s 4ms/step
>26, 377/390, d1=0.744, d2=0.594, g=0.873
2/2 [==============================] - 0s 4ms/step
>26, 378/390, d1=0.730, d2=0.658, g=0.879
2/2 [==============================] - 0s 4ms/step
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>26, 379/390, d1=0.598, d2=0.675, g=0.880
2/2 [==============================] - 0s 4ms/step
>26, 380/390, d1=0.621, d2=0.629, g=0.875
2/2 [==============================] - 0s 4ms/step
>26, 381/390, d1=0.586, d2=0.654, g=0.887
2/2 [==============================] - 0s 4ms/step
>26, 382/390, d1=0.588, d2=0.692, g=0.863
2/2 [==============================] - 0s 5ms/step
>26, 383/390, d1=0.580, d2=0.664, g=0.832
2/2 [==============================] - 0s 4ms/step
>26, 384/390, d1=0.581, d2=0.687, g=0.897
2/2 [==============================] - 0s 4ms/step
>26, 385/390, d1=0.563, d2=0.678, g=0.871
2/2 [==============================] - 0s 4ms/step
>26, 386/390, d1=0.660, d2=0.595, g=0.942
2/2 [==============================] - 0s 4ms/step
>26, 387/390, d1=0.655, d2=0.590, g=0.948
2/2 [==============================] - 0s 4ms/step
>26, 388/390, d1=0.637, d2=0.605, g=0.996
2/2 [==============================] - 0s 4ms/step
>26, 389/390, d1=0.747, d2=0.603, g=0.955
2/2 [==============================] - 0s 4ms/step
>26, 390/390, d1=0.756, d2=0.696, g=0.899
2/2 [==============================] - 0s 4ms/step
>28, 1/390, d1=0.695, d2=0.675, g=0.937
2/2 [==============================] - 0s 4ms/step
>28, 2/390, d1=0.609, d2=0.627, g=0.982
2/2 [==============================] - 0s 4ms/step
>28, 3/390, d1=0.715, d2=0.573, g=0.989
2/2 [==============================] - 0s 4ms/step
>28, 4/390, d1=0.669, d2=0.546, g=0.991
2/2 [==============================] - 0s 4ms/step
>28, 5/390, d1=0.621, d2=0.583, g=0.985
2/2 [==============================] - 0s 4ms/step
>28, 6/390, d1=0.622, d2=0.702, g=0.948
2/2 [==============================] - 0s 3ms/step
>28, 7/390, d1=0.681, d2=0.577, g=1.007
2/2 [==============================] - 0s 3ms/step
>28, 8/390, d1=0.671, d2=0.652, g=1.023
2/2 [==============================] - 0s 4ms/step
>28, 9/390, d1=0.658, d2=0.628, g=0.941
2/2 [==============================] - 0s 4ms/step
>28, 10/390, d1=0.667, d2=0.654, g=0.945
2/2 [==============================] - 0s 4ms/step
>28, 11/390, d1=0.754, d2=0.663, g=0.914
2/2 [==============================] - 0s 4ms/step
>28, 12/390, d1=0.741, d2=0.538, g=0.863
2/2 [==============================] - 0s 4ms/step
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>28, 13/390, d1=0.657, d2=0.667, g=0.864
2/2 [==============================] - 0s 4ms/step
>28, 14/390, d1=0.608, d2=0.674, g=0.866
2/2 [==============================] - 0s 4ms/step
>28, 15/390, d1=0.508, d2=0.745, g=0.873
2/2 [==============================] - 0s 4ms/step
>28, 16/390, d1=0.673, d2=0.707, g=0.953
2/2 [==============================] - 0s 4ms/step
>28, 17/390, d1=0.732, d2=0.648, g=0.914
2/2 [==============================] - 0s 4ms/step
>28, 18/390, d1=0.712, d2=0.636, g=0.929
2/2 [==============================] - 0s 4ms/step
>28, 19/390, d1=0.694, d2=0.572, g=0.941
2/2 [==============================] - 0s 4ms/step
>28, 20/390, d1=0.692, d2=0.665, g=0.964
2/2 [==============================] - 0s 4ms/step
>28, 21/390, d1=0.663, d2=0.619, g=0.970
2/2 [==============================] - 0s 4ms/step
>28, 22/390, d1=0.677, d2=0.603, g=0.926
2/2 [==============================] - 0s 4ms/step
>28, 23/390, d1=0.713, d2=0.593, g=0.895
2/2 [==============================] - 0s 4ms/step
>28, 24/390, d1=0.633, d2=0.682, g=0.830
2/2 [==============================] - 0s 4ms/step
>28, 25/390, d1=0.647, d2=0.653, g=0.861
2/2 [==============================] - 0s 4ms/step
>28, 26/390, d1=0.620, d2=0.632, g=0.899
2/2 [==============================] - 0s 4ms/step
>28, 27/390, d1=0.609, d2=0.587, g=0.929
2/2 [==============================] - 0s 4ms/step
>28, 28/390, d1=0.580, d2=0.588, g=0.967
2/2 [==============================] - 0s 4ms/step
>28, 29/390, d1=0.634, d2=0.599, g=0.934
2/2 [==============================] - 0s 4ms/step
>28, 30/390, d1=0.564, d2=0.705, g=0.853
2/2 [==============================] - 0s 4ms/step
>28, 31/390, d1=0.638, d2=0.747, g=0.928
2/2 [==============================] - 0s 4ms/step
>28, 32/390, d1=0.688, d2=0.636, g=0.874
2/2 [==============================] - 0s 3ms/step
>28, 33/390, d1=0.694, d2=0.744, g=0.878
2/2 [==============================] - 0s 4ms/step
>28, 34/390, d1=0.662, d2=0.571, g=0.920
2/2 [==============================] - 0s 4ms/step
>28, 35/390, d1=0.674, d2=0.630, g=0.896
2/2 [==============================] - 0s 3ms/step
>28, 36/390, d1=0.690, d2=0.629, g=0.881
2/2 [==============================] - 0s 3ms/step
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>28, 37/390, d1=0.557, d2=0.596, g=0.864
2/2 [==============================] - 0s 4ms/step
>28, 38/390, d1=0.637, d2=0.603, g=0.873
2/2 [==============================] - 0s 4ms/step
>28, 39/390, d1=0.627, d2=0.598, g=1.001
2/2 [==============================] - 0s 4ms/step
>28, 40/390, d1=0.632, d2=0.598, g=1.021
2/2 [==============================] - 0s 4ms/step
>28, 41/390, d1=0.551, d2=0.669, g=0.949
2/2 [==============================] - 0s 4ms/step
>28, 42/390, d1=0.603, d2=0.755, g=0.836
2/2 [==============================] - 0s 4ms/step
>28, 43/390, d1=0.621, d2=0.661, g=0.852
2/2 [==============================] - 0s 4ms/step
>28, 44/390, d1=0.665, d2=0.645, g=0.865
2/2 [==============================] - 0s 4ms/step
>28, 45/390, d1=0.643, d2=0.616, g=0.866
2/2 [==============================] - 0s 4ms/step
>28, 46/390, d1=0.648, d2=0.627, g=0.879
2/2 [==============================] - 0s 4ms/step
>28, 47/390, d1=0.594, d2=0.739, g=0.872
2/2 [==============================] - 0s 4ms/step
>28, 48/390, d1=0.577, d2=0.787, g=0.879
2/2 [==============================] - 0s 4ms/step
>28, 49/390, d1=0.755, d2=0.605, g=0.903
2/2 [==============================] - 0s 4ms/step
>28, 50/390, d1=0.667, d2=0.637, g=0.927
2/2 [==============================] - 0s 3ms/step
>28, 51/390, d1=0.687, d2=0.627, g=0.870
2/2 [==============================] - 0s 4ms/step
>28, 52/390, d1=0.677, d2=0.689, g=0.938
2/2 [==============================] - 0s 4ms/step
>28, 53/390, d1=0.650, d2=0.583, g=0.916
2/2 [==============================] - 0s 4ms/step
>28, 54/390, d1=0.680, d2=0.638, g=0.950
2/2 [==============================] - 0s 4ms/step
>28, 55/390, d1=0.726, d2=0.687, g=0.882
2/2 [==============================] - 0s 4ms/step
>28, 56/390, d1=0.610, d2=0.681, g=0.968
2/2 [==============================] - 0s 4ms/step
>28, 57/390, d1=0.758, d2=0.568, g=0.995
2/2 [==============================] - 0s 4ms/step
>28, 58/390, d1=0.714, d2=0.508, g=0.986
2/2 [==============================] - 0s 4ms/step
>28, 59/390, d1=0.737, d2=0.609, g=0.916
2/2 [==============================] - 0s 4ms/step
>28, 60/390, d1=0.594, d2=0.669, g=0.922
2/2 [==============================] - 0s 4ms/step
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>28, 61/390, d1=0.670, d2=0.669, g=0.923
2/2 [==============================] - 0s 4ms/step
>28, 62/390, d1=0.619, d2=0.637, g=0.898
2/2 [==============================] - 0s 4ms/step
>28, 63/390, d1=0.687, d2=0.679, g=0.908
2/2 [==============================] - 0s 4ms/step
>28, 64/390, d1=0.749, d2=0.622, g=0.907
2/2 [==============================] - 0s 4ms/step
>28, 65/390, d1=0.683, d2=0.740, g=0.847
2/2 [==============================] - 0s 4ms/step
>28, 66/390, d1=0.645, d2=0.699, g=0.893
2/2 [==============================] - 0s 4ms/step
>28, 67/390, d1=0.765, d2=0.647, g=0.898
2/2 [==============================] - 0s 3ms/step
>28, 68/390, d1=0.686, d2=0.609, g=0.923
2/2 [==============================] - 0s 4ms/step
>28, 69/390, d1=0.729, d2=0.545, g=0.964
2/2 [==============================] - 0s 4ms/step
>28, 70/390, d1=0.703, d2=0.556, g=0.981
2/2 [==============================] - 0s 4ms/step
>28, 71/390, d1=0.636, d2=0.556, g=0.992
2/2 [==============================] - 0s 3ms/step
>28, 72/390, d1=0.575, d2=0.710, g=1.062
2/2 [==============================] - 0s 3ms/step
>28, 73/390, d1=0.626, d2=0.535, g=1.015
2/2 [==============================] - 0s 4ms/step
>28, 74/390, d1=0.613, d2=0.596, g=0.947
2/2 [==============================] - 0s 4ms/step
>28, 75/390, d1=0.639, d2=0.684, g=1.008
2/2 [==============================] - 0s 4ms/step
>28, 76/390, d1=0.694, d2=0.632, g=0.912
2/2 [==============================] - 0s 4ms/step
>28, 77/390, d1=0.664, d2=0.638, g=0.883
2/2 [==============================] - 0s 4ms/step
>28, 78/390, d1=0.671, d2=0.650, g=0.910
2/2 [==============================] - 0s 4ms/step
>28, 79/390, d1=0.709, d2=0.659, g=0.889
2/2 [==============================] - 0s 4ms/step
>28, 80/390, d1=0.695, d2=0.602, g=0.866
2/2 [==============================] - 0s 4ms/step
>28, 81/390, d1=0.541, d2=0.678, g=0.895
2/2 [==============================] - 0s 4ms/step
>28, 82/390, d1=0.592, d2=0.706, g=0.858
2/2 [==============================] - 0s 4ms/step
>28, 83/390, d1=0.698, d2=0.732, g=0.850
2/2 [==============================] - 0s 4ms/step
>28, 84/390, d1=0.648, d2=0.694, g=0.849
2/2 [==============================] - 0s 3ms/step
```

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>28, 85/390, d1=0.660, d2=0.728, g=0.895
2/2 [==============================] - 0s 4ms/step
>28, 86/390, d1=0.702, d2=0.697, g=0.930
2/2 [==============================] - 0s 4ms/step
>28, 87/390, d1=0.648, d2=0.640, g=0.929
2/2 [==============================] - 0s 4ms/step
>28, 88/390, d1=0.642, d2=0.596, g=0.915
2/2 [==============================] - 0s 4ms/step
>28, 89/390, d1=0.652, d2=0.638, g=0.953
2/2 [==============================] - 0s 4ms/step
>28, 90/390, d1=0.692, d2=0.621, g=0.878
2/2 [==============================] - 0s 4ms/step
>28, 91/390, d1=0.629, d2=0.768, g=0.902
2/2 [==============================] - 0s 4ms/step
>28, 92/390, d1=0.662, d2=0.558, g=0.949
2/2 [==============================] - 0s 4ms/step
>28, 93/390, d1=0.626, d2=0.578, g=0.942
2/2 [==============================] - 0s 4ms/step
>28, 94/390, d1=0.600, d2=0.616, g=0.972
2/2 [==============================] - 0s 4ms/step
>28, 95/390, d1=0.747, d2=0.648, g=0.911
2/2 [==============================] - 0s 4ms/step
>28, 96/390, d1=0.619, d2=0.712, g=0.963
2/2 [==============================] - 0s 4ms/step
>28, 97/390, d1=0.654, d2=0.614, g=1.016
2/2 [==============================] - 0s 4ms/step
>28, 98/390, d1=0.753, d2=0.590, g=1.011
2/2 [==============================] - 0s 4ms/step
>28, 99/390, d1=0.704, d2=0.547, g=0.940
2/2 [==============================] - 0s 4ms/step
>28, 100/390, d1=0.704, d2=0.588, g=0.882
2/2 [==============================] - 0s 4ms/step
>28, 101/390, d1=0.696, d2=0.658, g=0.850
2/2 [==============================] - 0s 4ms/step
>28, 102/390, d1=0.693, d2=0.725, g=0.753
2/2 [==============================] - 0s 5ms/step
>28, 103/390, d1=0.627, d2=0.790, g=0.834
2/2 [==============================] - 0s 4ms/step
>28, 104/390, d1=0.659, d2=0.659, g=0.935
2/2 [==============================] - 0s 4ms/step
>28, 105/390, d1=0.685, d2=0.483, g=1.058
2/2 [==============================] - 0s 4ms/step
>28, 106/390, d1=0.579, d2=0.536, g=1.051
2/2 [==============================] - 0s 4ms/step
>28, 107/390, d1=0.506, d2=0.659, g=0.889
2/2 [==============================] - 0s 4ms/step
>28, 108/390, d1=0.495, d2=0.746, g=0.906
2/2 [==============================] - 0s 4ms/step
```

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>28, 109/390, d1=0.535, d2=0.668, g=0.964
2/2 [==============================] - 0s 4ms/step
>28, 110/390, d1=0.554, d2=0.683, g=0.974
2/2 [==============================] - 0s 4ms/step
>28, 111/390, d1=0.606, d2=0.548, g=0.958
2/2 [==============================] - 0s 4ms/step
>28, 112/390, d1=0.657, d2=0.619, g=0.901
2/2 [==============================] - 0s 4ms/step
>28, 113/390, d1=0.595, d2=0.721, g=0.987
2/2 [==============================] - 0s 4ms/step
>28, 114/390, d1=0.646, d2=0.679, g=0.952
2/2 [==============================] - 0s 4ms/step
>28, 115/390, d1=0.640, d2=0.599, g=0.943
2/2 [==============================] - 0s 4ms/step
>28, 116/390, d1=0.714, d2=0.627, g=0.942
2/2 [==============================] - 0s 4ms/step
>28, 117/390, d1=0.688, d2=0.677, g=0.868
2/2 [==============================] - 0s 4ms/step
>28, 118/390, d1=0.615, d2=0.634, g=0.903
2/2 [==============================] - 0s 3ms/step
>28, 119/390, d1=0.671, d2=0.957, g=0.936
2/2 [==============================] - 0s 4ms/step
>28, 120/390, d1=0.803, d2=0.639, g=0.969
2/2 [==============================] - 0s 4ms/step
>28, 121/390, d1=0.753, d2=0.539, g=0.996
2/2 [==============================] - 0s 4ms/step
>28, 122/390, d1=0.755, d2=0.529, g=0.984
2/2 [==============================] - 0s 4ms/step
>28, 123/390, d1=0.745, d2=0.534, g=0.988
2/2 [==============================] - 0s 4ms/step
>28, 124/390, d1=0.693, d2=0.584, g=0.920
2/2 [==============================] - 0s 4ms/step
>28, 125/390, d1=0.633, d2=0.618, g=0.915
2/2 [==============================] - 0s 4ms/step
>28, 126/390, d1=0.656, d2=0.609, g=0.874
2/2 [==============================] - 0s 4ms/step
>28, 127/390, d1=0.585, d2=0.637, g=0.846
2/2 [==============================] - 0s 4ms/step
>28, 128/390, d1=0.576, d2=0.674, g=0.860
2/2 [==============================] - 0s 4ms/step
>28, 129/390, d1=0.599, d2=0.613, g=0.861
2/2 [==============================] - 0s 4ms/step
>28, 130/390, d1=0.592, d2=0.617, g=0.905
2/2 [==============================] - 0s 4ms/step
>28, 131/390, d1=0.590, d2=0.585, g=0.935
2/2 [==============================] - 0s 4ms/step
>28, 132/390, d1=0.559, d2=0.627, g=0.921
2/2 [==============================] - 0s 4ms/step
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>28, 133/390, d1=0.547, d2=0.578, g=0.942
2/2 [==============================] - 0s 4ms/step
>28, 134/390, d1=0.542, d2=0.628, g=0.910
2/2 [==============================] - 0s 4ms/step
>28, 135/390, d1=0.539, d2=0.807, g=0.879
2/2 [==============================] - 0s 4ms/step
>28, 136/390, d1=0.611, d2=0.824, g=0.926
2/2 [==============================] - 0s 4ms/step
>28, 137/390, d1=0.573, d2=0.699, g=0.955
2/2 [==============================] - 0s 4ms/step
>28, 138/390, d1=0.741, d2=0.634, g=1.012
2/2 [==============================] - 0s 4ms/step
>28, 139/390, d1=0.707, d2=0.578, g=0.951
2/2 [==============================] - 0s 4ms/step
>28, 140/390, d1=0.692, d2=0.589, g=0.957
2/2 [==============================] - 0s 4ms/step
>28, 141/390, d1=0.746, d2=0.604, g=0.947
2/2 [==============================] - 0s 4ms/step
>28, 142/390, d1=0.757, d2=0.660, g=1.004
2/2 [==============================] - 0s 4ms/step
>28, 143/390, d1=0.735, d2=0.608, g=1.029
2/2 [==============================] - 0s 3ms/step
>28, 144/390, d1=0.675, d2=0.600, g=0.921
2/2 [==============================] - 0s 4ms/step
>28, 145/390, d1=0.713, d2=0.598, g=0.969
2/2 [==============================] - 0s 4ms/step
>28, 146/390, d1=0.605, d2=0.550, g=0.950
2/2 [==============================] - 0s 4ms/step
>28, 147/390, d1=0.700, d2=0.600, g=0.977
2/2 [==============================] - 0s 4ms/step
>28, 148/390, d1=0.714, d2=0.549, g=0.941
2/2 [==============================] - 0s 5ms/step
>28, 149/390, d1=0.773, d2=0.602, g=0.941
2/2 [==============================] - 0s 4ms/step
>28, 150/390, d1=0.691, d2=0.628, g=0.889
2/2 [==============================] - 0s 4ms/step
>28, 151/390, d1=0.777, d2=0.642, g=0.880
2/2 [==============================] - 0s 4ms/step
>28, 152/390, d1=0.595, d2=0.643, g=0.855
2/2 [==============================] - 0s 4ms/step
>28, 153/390, d1=0.634, d2=0.702, g=0.889
2/2 [==============================] - 0s 4ms/step
>28, 154/390, d1=0.704, d2=0.578, g=0.897
2/2 [==============================] - 0s 3ms/step
>28, 155/390, d1=0.680, d2=0.617, g=0.883
2/2 [==============================] - 0s 4ms/step
>28, 156/390, d1=0.625, d2=0.627, g=0.881
2/2 [==============================] - 0s 4ms/step
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>28, 157/390, d1=0.552, d2=0.663, g=0.889
2/2 [==============================] - 0s 4ms/step
>28, 158/390, d1=0.616, d2=0.687, g=0.886
2/2 [==============================] - 0s 3ms/step
>28, 159/390, d1=0.566, d2=0.698, g=0.875
2/2 [==============================] - 0s 4ms/step
>28, 160/390, d1=0.568, d2=0.653, g=0.840
2/2 [==============================] - 0s 4ms/step
>28, 161/390, d1=0.609, d2=0.681, g=0.858
2/2 [==============================] - 0s 4ms/step
>28, 162/390, d1=0.592, d2=0.752, g=0.893
2/2 [==============================] - 0s 4ms/step
>28, 163/390, d1=0.667, d2=0.553, g=0.929
2/2 [==============================] - 0s 3ms/step
>28, 164/390, d1=0.552, d2=0.706, g=0.953
2/2 [==============================] - 0s 4ms/step
>28, 165/390, d1=0.702, d2=0.525, g=0.961
2/2 [==============================] - 0s 4ms/step
>28, 166/390, d1=0.670, d2=0.584, g=0.899
2/2 [==============================] - 0s 4ms/step
>28, 167/390, d1=0.545, d2=0.618, g=0.909
2/2 [==============================] - 0s 4ms/step
>28, 168/390, d1=0.644, d2=0.660, g=0.925
2/2 [==============================] - 0s 4ms/step
>28, 169/390, d1=0.640, d2=0.592, g=0.920
2/2 [==============================] - 0s 4ms/step
>28, 170/390, d1=0.666, d2=0.595, g=0.834
2/2 [==============================] - 0s 4ms/step
>28, 171/390, d1=0.604, d2=0.621, g=0.918
2/2 [==============================] - 0s 4ms/step
>28, 172/390, d1=0.666, d2=0.610, g=0.863
2/2 [==============================] - 0s 4ms/step
>28, 173/390, d1=0.699, d2=0.644, g=0.911
2/2 [==============================] - 0s 4ms/step
>28, 174/390, d1=0.598, d2=0.648, g=0.893
2/2 [==============================] - 0s 4ms/step
>28, 175/390, d1=0.656, d2=0.666, g=0.935
2/2 [==============================] - 0s 4ms/step
>28, 176/390, d1=0.685, d2=0.589, g=0.915
2/2 [==============================] - 0s 4ms/step
>28, 177/390, d1=0.703, d2=0.588, g=0.921
2/2 [==============================] - 0s 4ms/step
>28, 178/390, d1=0.695, d2=0.605, g=0.889
2/2 [==============================] - 0s 4ms/step
>28, 179/390, d1=0.689, d2=0.703, g=0.906
2/2 [==============================] - 0s 4ms/step
>28, 180/390, d1=0.686, d2=0.582, g=0.896
2/2 [==============================] - 0s 4ms/step
```

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>28, 181/390, d1=0.602, d2=0.603, g=0.922
2/2 [==============================] - 0s 4ms/step
>28, 182/390, d1=0.601, d2=0.592, g=1.004
2/2 [==============================] - 0s 4ms/step
>28, 183/390, d1=0.632, d2=0.493, g=1.063
2/2 [==============================] - 0s 4ms/step
>28, 184/390, d1=0.612, d2=0.535, g=1.058
2/2 [==============================] - 0s 3ms/step
>28, 185/390, d1=0.510, d2=0.500, g=1.077
2/2 [==============================] - 0s 4ms/step
>28, 186/390, d1=0.545, d2=0.642, g=1.007
2/2 [==============================] - 0s 4ms/step
>28, 187/390, d1=0.656, d2=0.740, g=0.913
2/2 [==============================] - 0s 4ms/step
>28, 188/390, d1=0.621, d2=0.643, g=0.922
2/2 [==============================] - 0s 4ms/step
>28, 189/390, d1=0.648, d2=0.642, g=0.884
2/2 [==============================] - 0s 4ms/step
>28, 190/390, d1=0.683, d2=0.605, g=0.850
2/2 [==============================] - 0s 4ms/step
>28, 191/390, d1=0.649, d2=0.767, g=0.886
2/2 [==============================] - 0s 4ms/step
>28, 192/390, d1=0.539, d2=0.731, g=0.897
2/2 [==============================] - 0s 4ms/step
>28, 193/390, d1=0.622, d2=0.637, g=0.895
2/2 [==============================] - 0s 4ms/step
>28, 194/390, d1=0.646, d2=0.682, g=0.891
2/2 [==============================] - 0s 4ms/step
>28, 195/390, d1=0.664, d2=0.652, g=0.965
2/2 [==============================] - 0s 4ms/step
>28, 196/390, d1=0.684, d2=0.590, g=0.924
2/2 [==============================] - 0s 4ms/step
>28, 197/390, d1=0.647, d2=0.652, g=0.961
2/2 [==============================] - 0s 4ms/step
>28, 198/390, d1=0.596, d2=0.720, g=0.939
2/2 [==============================] - 0s 5ms/step
>28, 199/390, d1=0.699, d2=0.588, g=0.951
2/2 [==============================] - 0s 4ms/step
>28, 200/390, d1=0.613, d2=0.690, g=0.958
2/2 [==============================] - 0s 4ms/step
>28, 201/390, d1=0.704, d2=0.573, g=0.899
2/2 [==============================] - 0s 4ms/step
>28, 202/390, d1=0.684, d2=0.680, g=0.887
2/2 [==============================] - 0s 4ms/step
>28, 203/390, d1=0.585, d2=0.695, g=0.911
2/2 [==============================] - 0s 4ms/step
>28, 204/390, d1=0.521, d2=0.623, g=0.909
2/2 [==============================] - 0s 4ms/step
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>28, 205/390, d1=0.655, d2=0.671, g=0.860
2/2 [==============================] - 0s 4ms/step
>28, 206/390, d1=0.644, d2=0.661, g=0.898
2/2 [==============================] - 0s 4ms/step
>28, 207/390, d1=0.638, d2=0.657, g=0.909
2/2 [==============================] - 0s 4ms/step
>28, 208/390, d1=0.634, d2=0.722, g=0.924
2/2 [==============================] - 0s 4ms/step
>28, 209/390, d1=0.696, d2=0.587, g=0.909
2/2 [==============================] - 0s 4ms/step
>28, 210/390, d1=0.675, d2=0.602, g=0.926
2/2 [==============================] - 0s 4ms/step
>28, 211/390, d1=0.650, d2=0.622, g=0.944
2/2 [==============================] - 0s 4ms/step
>28, 212/390, d1=0.700, d2=0.654, g=0.898
2/2 [==============================] - 0s 4ms/step
>28, 213/390, d1=0.660, d2=0.656, g=0.897
2/2 [==============================] - 0s 4ms/step
>28, 214/390, d1=0.705, d2=0.641, g=0.955
2/2 [==============================] - 0s 4ms/step
>28, 215/390, d1=0.692, d2=0.596, g=0.927
2/2 [==============================] - 0s 4ms/step
>28, 216/390, d1=0.676, d2=0.614, g=0.898
2/2 [==============================] - 0s 4ms/step
>28, 217/390, d1=0.708, d2=0.624, g=0.842
2/2 [==============================] - 0s 4ms/step
>28, 218/390, d1=0.637, d2=0.686, g=0.920
2/2 [==============================] - 0s 4ms/step
>28, 219/390, d1=0.679, d2=0.611, g=0.958
2/2 [==============================] - 0s 4ms/step
>28, 220/390, d1=0.704, d2=0.620, g=0.936
2/2 [==============================] - 0s 4ms/step
>28, 221/390, d1=0.745, d2=0.659, g=0.917
2/2 [==============================] - 0s 4ms/step
>28, 222/390, d1=0.717, d2=0.580, g=0.923
2/2 [==============================] - 0s 4ms/step
>28, 223/390, d1=0.640, d2=0.635, g=0.883
2/2 [==============================] - 0s 4ms/step
>28, 224/390, d1=0.603, d2=0.643, g=0.892
2/2 [==============================] - 0s 4ms/step
>28, 225/390, d1=0.727, d2=0.619, g=0.864
2/2 [==============================] - 0s 4ms/step
>28, 226/390, d1=0.626, d2=0.684, g=0.905
2/2 [==============================] - 0s 4ms/step
>28, 227/390, d1=0.632, d2=0.595, g=0.930
2/2 [==============================] - 0s 4ms/step
>28, 228/390, d1=0.591, d2=0.604, g=0.914
2/2 [==============================] - 0s 4ms/step
```

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>28, 229/390, d1=0.540, d2=0.585, g=0.979
2/2 [==============================] - 0s 4ms/step
>28, 230/390, d1=0.576, d2=0.645, g=0.895
2/2 [==============================] - 0s 4ms/step
>28, 231/390, d1=0.526, d2=0.612, g=0.975
2/2 [==============================] - 0s 4ms/step
>28, 232/390, d1=0.613, d2=0.547, g=0.988
2/2 [==============================] - 0s 4ms/step
>28, 233/390, d1=0.489, d2=0.633, g=0.995
2/2 [==============================] - 0s 4ms/step
>28, 234/390, d1=0.487, d2=0.663, g=0.984
2/2 [==============================] - 0s 4ms/step
>28, 235/390, d1=0.575, d2=0.731, g=0.954
2/2 [==============================] - 0s 4ms/step
>28, 236/390, d1=0.759, d2=0.656, g=0.866
2/2 [==============================] - 0s 4ms/step
>28, 237/390, d1=0.695, d2=0.684, g=0.940
2/2 [==============================] - 0s 4ms/step
>28, 238/390, d1=0.697, d2=0.695, g=0.984
2/2 [==============================] - 0s 4ms/step
>28, 239/390, d1=0.745, d2=0.579, g=0.981
2/2 [==============================] - 0s 4ms/step
>28, 240/390, d1=0.751, d2=0.558, g=0.944
2/2 [==============================] - 0s 3ms/step
>28, 241/390, d1=0.665, d2=0.637, g=0.952
2/2 [==============================] - 0s 4ms/step
>28, 242/390, d1=0.647, d2=0.720, g=0.881
2/2 [==============================] - 0s 4ms/step
>28, 243/390, d1=0.742, d2=0.698, g=0.881
2/2 [==============================] - 0s 4ms/step
>28, 244/390, d1=0.708, d2=0.839, g=0.882
2/2 [==============================] - 0s 4ms/step
>28, 245/390, d1=0.722, d2=0.652, g=0.943
2/2 [==============================] - 0s 4ms/step
>28, 246/390, d1=0.813, d2=0.603, g=0.975
2/2 [==============================] - 0s 4ms/step
>28, 247/390, d1=0.776, d2=0.531, g=0.983
2/2 [==============================] - 0s 4ms/step
>28, 248/390, d1=0.782, d2=0.559, g=0.918
2/2 [==============================] - 0s 4ms/step
>28, 249/390, d1=0.711, d2=0.570, g=0.910
2/2 [==============================] - 0s 4ms/step
>28, 250/390, d1=0.651, d2=0.581, g=0.907
2/2 [==============================] - 0s 4ms/step
>28, 251/390, d1=0.662, d2=0.587, g=0.903
2/2 [==============================] - 0s 4ms/step
>28, 252/390, d1=0.614, d2=0.623, g=0.874
2/2 [==============================] - 0s 4ms/step
```

```
>28, 253/390, d1=0.601, d2=0.617, g=0.890
2/2 [==============================] - 0s 4ms/step
>28, 254/390, d1=0.619, d2=0.675, g=0.869
2/2 [==============================] - 0s 4ms/step
>28, 255/390, d1=0.613, d2=0.632, g=0.912
2/2 [==============================] - 0s 4ms/step
>28, 256/390, d1=0.537, d2=0.612, g=0.883
2/2 [==============================] - 0s 4ms/step
>28, 257/390, d1=0.567, d2=0.567, g=0.901
2/2 [==============================] - 0s 4ms/step
>28, 258/390, d1=0.574, d2=0.615, g=0.969
2/2 [==============================] - 0s 5ms/step
>28, 259/390, d1=0.475, d2=0.695, g=0.955
2/2 [==============================] - 0s 4ms/step
>28, 260/390, d1=0.572, d2=0.815, g=0.914
2/2 [==============================] - 0s 4ms/step
>28, 261/390, d1=0.588, d2=1.178, g=1.189
2/2 [==============================] - 0s 3ms/step
>28, 262/390, d1=0.822, d2=0.514, g=1.116
2/2 [==============================] - 0s 4ms/step
>28, 263/390, d1=0.752, d2=0.575, g=1.017
2/2 [==============================] - 0s 4ms/step
>28, 264/390, d1=0.650, d2=0.608, g=0.922
2/2 [==============================] - 0s 4ms/step
>28, 265/390, d1=0.652, d2=0.603, g=0.869
2/2 [==============================] - 0s 4ms/step
>28, 266/390, d1=0.627, d2=0.665, g=0.855
2/2 [==============================] - 0s 4ms/step
>28, 267/390, d1=0.586, d2=0.656, g=0.863
2/2 [==============================] - 0s 4ms/step
>28, 268/390, d1=0.508, d2=0.628, g=0.911
2/2 [==============================] - 0s 4ms/step
>28, 269/390, d1=0.595, d2=0.774, g=0.881
2/2 [==============================] - 0s 4ms/step
>28, 270/390, d1=0.706, d2=0.640, g=0.887
2/2 [==============================] - 0s 4ms/step
>28, 271/390, d1=0.710, d2=0.588, g=0.886
2/2 [==============================] - 0s 4ms/step
>28, 272/390, d1=0.652, d2=0.682, g=0.929
2/2 [==============================] - 0s 4ms/step
>28, 273/390, d1=0.623, d2=0.629, g=0.968
2/2 [==============================] - 0s 4ms/step
>28, 274/390, d1=0.712, d2=0.735, g=0.916
2/2 [==============================] - 0s 4ms/step
>28, 275/390, d1=0.677, d2=0.645, g=0.918
2/2 [==============================] - 0s 4ms/step
>28, 276/390, d1=0.664, d2=0.702, g=0.923
2/2 [==============================] - 0s 4ms/step
```

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>28, 277/390, d1=0.645, d2=0.636, g=0.948
2/2 [==============================] - 0s 4ms/step
>28, 278/390, d1=0.664, d2=0.577, g=0.967
2/2 [==============================] - 0s 3ms/step
>28, 279/390, d1=0.653, d2=0.732, g=0.907
2/2 [==============================] - 0s 4ms/step
>28, 280/390, d1=0.535, d2=0.678, g=0.904
2/2 [==============================] - 0s 4ms/step
>28, 281/390, d1=0.679, d2=0.666, g=0.911
2/2 [==============================] - 0s 4ms/step
>28, 282/390, d1=0.634, d2=0.659, g=0.915
2/2 [==============================] - 0s 4ms/step
>28, 283/390, d1=0.633, d2=0.612, g=0.942
2/2 [==============================] - 0s 4ms/step
>28, 284/390, d1=0.593, d2=0.628, g=1.003
2/2 [==============================] - 0s 4ms/step
>28, 285/390, d1=0.528, d2=0.591, g=0.928
2/2 [==============================] - 0s 4ms/step
>28, 286/390, d1=0.576, d2=0.737, g=0.961
2/2 [==============================] - 0s 4ms/step
>28, 287/390, d1=0.570, d2=0.731, g=0.972
2/2 [==============================] - 0s 4ms/step
>28, 288/390, d1=0.593, d2=0.686, g=1.017
2/2 [==============================] - 0s 4ms/step
>28, 289/390, d1=0.672, d2=0.575, g=1.020
2/2 [==============================] - 0s 4ms/step
>28, 290/390, d1=0.596, d2=0.538, g=0.943
2/2 [==============================] - 0s 4ms/step
>28, 291/390, d1=0.580, d2=0.600, g=0.950
2/2 [==============================] - 0s 3ms/step
>28, 292/390, d1=0.655, d2=0.702, g=0.959
2/2 [==============================] - 0s 4ms/step
>28, 293/390, d1=0.656, d2=0.738, g=0.993
2/2 [==============================] - 0s 4ms/step
>28, 294/390, d1=0.757, d2=0.547, g=0.866
2/2 [==============================] - 0s 4ms/step
>28, 295/390, d1=0.701, d2=0.719, g=0.890
2/2 [==============================] - 0s 4ms/step
>28, 296/390, d1=0.629, d2=0.714, g=0.940
2/2 [==============================] - 0s 4ms/step
>28, 297/390, d1=0.683, d2=0.606, g=0.979
2/2 [==============================] - 0s 4ms/step
>28, 298/390, d1=0.739, d2=0.581, g=0.977
2/2 [==============================] - 0s 4ms/step
>28, 299/390, d1=0.724, d2=0.610, g=0.907
2/2 [==============================] - 0s 4ms/step
>28, 300/390, d1=0.704, d2=0.587, g=0.951
2/2 [==============================] - 0s 4ms/step
```

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>28, 301/390, d1=0.645, d2=0.683, g=0.920
2/2 [==============================] - 0s 4ms/step
>28, 302/390, d1=0.679, d2=0.674, g=0.865
2/2 [==============================] - 0s 5ms/step
>28, 303/390, d1=0.679, d2=0.642, g=0.883
2/2 [==============================] - 0s 4ms/step
>28, 304/390, d1=0.690, d2=0.651, g=0.867
2/2 [==============================] - 0s 4ms/step
>28, 305/390, d1=0.595, d2=0.666, g=0.886
2/2 [==============================] - 0s 5ms/step
>28, 306/390, d1=0.654, d2=0.619, g=0.915
2/2 [==============================] - 0s 4ms/step
>28, 307/390, d1=0.676, d2=0.609, g=0.905
2/2 [==============================] - 0s 4ms/step
>28, 308/390, d1=0.675, d2=0.652, g=0.922
2/2 [==============================] - 0s 4ms/step
>28, 309/390, d1=0.733, d2=0.572, g=0.937
2/2 [==============================] - 0s 4ms/step
>28, 310/390, d1=0.697, d2=0.632, g=0.984
2/2 [==============================] - 0s 4ms/step
>28, 311/390, d1=0.656, d2=0.646, g=0.936
2/2 [==============================] - 0s 4ms/step
>28, 312/390, d1=0.668, d2=0.613, g=0.922
2/2 [==============================] - 0s 4ms/step
>28, 313/390, d1=0.670, d2=0.645, g=0.936
2/2 [==============================] - 0s 4ms/step
>28, 314/390, d1=0.597, d2=0.730, g=0.964
2/2 [==============================] - 0s 4ms/step
>28, 315/390, d1=0.674, d2=0.597, g=0.974
2/2 [==============================] - 0s 3ms/step
>28, 316/390, d1=0.670, d2=0.548, g=0.958
2/2 [==============================] - 0s 4ms/step
>28, 317/390, d1=0.686, d2=0.569, g=0.971
2/2 [==============================] - 0s 3ms/step
>28, 318/390, d1=0.672, d2=0.586, g=0.994
2/2 [==============================] - 0s 4ms/step
>28, 319/390, d1=0.651, d2=0.568, g=0.912
2/2 [==============================] - 0s 4ms/step
>28, 320/390, d1=0.739, d2=0.598, g=0.964
2/2 [==============================] - 0s 4ms/step
>28, 321/390, d1=0.612, d2=0.648, g=0.914
2/2 [==============================] - 0s 4ms/step
>28, 322/390, d1=0.678, d2=0.628, g=0.911
2/2 [==============================] - 0s 4ms/step
>28, 323/390, d1=0.617, d2=0.639, g=0.887
2/2 [==============================] - 0s 4ms/step
>28, 324/390, d1=0.653, d2=0.684, g=0.811
2/2 [==============================] - 0s 5ms/step
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>28, 325/390, d1=0.647, d2=0.635, g=0.796
2/2 [==============================] - 0s 4ms/step
>28, 326/390, d1=0.664, d2=0.697, g=0.801
2/2 [==============================] - 0s 3ms/step
>28, 327/390, d1=0.682, d2=0.684, g=0.817
2/2 [==============================] - 0s 4ms/step
>28, 328/390, d1=0.619, d2=0.691, g=0.847
2/2 [==============================] - 0s 4ms/step
>28, 329/390, d1=0.652, d2=0.630, g=0.874
2/2 [==============================] - 0s 4ms/step
>28, 330/390, d1=0.650, d2=0.625, g=0.869
2/2 [==============================] - 0s 5ms/step
>28, 331/390, d1=0.582, d2=0.623, g=0.909
2/2 [==============================] - 0s 4ms/step
>28, 332/390, d1=0.551, d2=0.598, g=0.873
2/2 [==============================] - 0s 4ms/step
>28, 333/390, d1=0.574, d2=0.631, g=0.922
2/2 [==============================] - 0s 5ms/step
>28, 334/390, d1=0.550, d2=0.730, g=0.900
2/2 [==============================] - 0s 4ms/step
>28, 335/390, d1=0.651, d2=0.639, g=0.902
2/2 [==============================] - 0s 4ms/step
>28, 336/390, d1=0.635, d2=0.746, g=0.912
2/2 [==============================] - 0s 4ms/step
>28, 337/390, d1=0.641, d2=0.660, g=0.940
2/2 [==============================] - 0s 4ms/step
>28, 338/390, d1=0.702, d2=0.613, g=1.006
2/2 [==============================] - 0s 4ms/step
>28, 339/390, d1=0.720, d2=0.555, g=0.988
2/2 [==============================] - 0s 4ms/step
>28, 340/390, d1=0.792, d2=0.573, g=0.967
2/2 [==============================] - 0s 3ms/step
>28, 341/390, d1=0.750, d2=0.540, g=0.966
2/2 [==============================] - 0s 4ms/step
>28, 342/390, d1=0.624, d2=0.561, g=0.980
2/2 [==============================] - 0s 4ms/step
>28, 343/390, d1=0.641, d2=0.535, g=1.001
2/2 [==============================] - 0s 5ms/step
>28, 344/390, d1=0.602, d2=0.550, g=0.992
2/2 [==============================] - 0s 4ms/step
>28, 345/390, d1=0.648, d2=0.572, g=1.024
2/2 [==============================] - 0s 4ms/step
>28, 346/390, d1=0.673, d2=0.552, g=1.026
2/2 [==============================] - 0s 4ms/step
>28, 347/390, d1=0.653, d2=0.595, g=0.980
2/2 [==============================] - 0s 4ms/step
>28, 348/390, d1=0.680, d2=0.566, g=1.066
2/2 [==============================] - 0s 4ms/step
```

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>28, 349/390, d1=0.642, d2=0.599, g=1.009
2/2 [==============================] - 0s 4ms/step
>28, 350/390, d1=0.656, d2=0.612, g=0.981
2/2 [==============================] - 0s 4ms/step
>28, 351/390, d1=0.708, d2=0.654, g=0.885
2/2 [==============================] - 0s 4ms/step
>28, 352/390, d1=0.634, d2=0.644, g=0.895
2/2 [==============================] - 0s 4ms/step
>28, 353/390, d1=0.665, d2=0.649, g=0.910
2/2 [==============================] - 0s 4ms/step
>28, 354/390, d1=0.661, d2=0.652, g=0.885
2/2 [==============================] - 0s 5ms/step
>28, 355/390, d1=0.633, d2=0.611, g=0.874
2/2 [==============================] - 0s 5ms/step
>28, 356/390, d1=0.549, d2=0.617, g=0.889
2/2 [==============================] - 0s 4ms/step
>28, 357/390, d1=0.618, d2=0.692, g=0.886
2/2 [==============================] - 0s 4ms/step
>28, 358/390, d1=0.639, d2=0.679, g=0.946
2/2 [==============================] - 0s 4ms/step
>28, 359/390, d1=0.616, d2=0.718, g=0.945
2/2 [==============================] - 0s 4ms/step
>28, 360/390, d1=0.646, d2=0.630, g=0.939
2/2 [==============================] - 0s 4ms/step
>28, 361/390, d1=0.658, d2=0.637, g=0.885
2/2 [==============================] - 0s 4ms/step
>28, 362/390, d1=0.649, d2=0.722, g=0.896
2/2 [==============================] - 0s 4ms/step
>28, 363/390, d1=0.658, d2=0.697, g=0.892
2/2 [==============================] - 0s 4ms/step
>28, 364/390, d1=0.713, d2=0.617, g=0.896
2/2 [==============================] - 0s 4ms/step
>28, 365/390, d1=0.650, d2=0.657, g=0.966
2/2 [==============================] - 0s 4ms/step
>28, 366/390, d1=0.724, d2=0.583, g=0.959
2/2 [==============================] - 0s 4ms/step
>28, 367/390, d1=0.707, d2=0.582, g=1.007
2/2 [==============================] - 0s 4ms/step
>28, 368/390, d1=0.686, d2=0.574, g=0.936
2/2 [==============================] - 0s 4ms/step
>28, 369/390, d1=0.742, d2=0.594, g=0.898
2/2 [==============================] - 0s 4ms/step
>28, 370/390, d1=0.675, d2=0.626, g=0.857
2/2 [==============================] - 0s 4ms/step
>28, 371/390, d1=0.550, d2=0.615, g=0.897
2/2 [==============================] - 0s 4ms/step
>28, 372/390, d1=0.616, d2=0.615, g=0.947
2/2 [==============================] - 0s 4ms/step
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>28, 373/390, d1=0.643, d2=0.587, g=0.911
2/2 [==============================] - 0s 4ms/step
>28, 374/390, d1=0.696, d2=0.601, g=0.873
2/2 [==============================] - 0s 4ms/step
>28, 375/390, d1=0.731, d2=0.659, g=0.910
2/2 [==============================] - 0s 4ms/step
>28, 376/390, d1=0.540, d2=0.665, g=0.899
2/2 [==============================] - 0s 3ms/step
>28, 377/390, d1=0.642, d2=0.668, g=0.909
2/2 [==============================] - 0s 4ms/step
>28, 378/390, d1=0.596, d2=0.715, g=0.927
2/2 [==============================] - 0s 4ms/step
>28, 379/390, d1=0.603, d2=0.607, g=0.934
2/2 [==============================] - 0s 4ms/step
>28, 380/390, d1=0.587, d2=0.648, g=0.927
2/2 [==============================] - 0s 4ms/step
>28, 381/390, d1=0.606, d2=0.655, g=0.943
2/2 [==============================] - 0s 4ms/step
>28, 382/390, d1=0.572, d2=0.642, g=0.897
2/2 [==============================] - 0s 4ms/step
>28, 383/390, d1=0.653, d2=0.743, g=0.929
2/2 [==============================] - 0s 4ms/step
>28, 384/390, d1=0.633, d2=0.745, g=0.932
2/2 [==============================] - 0s 4ms/step
>28, 385/390, d1=0.740, d2=0.666, g=1.046
2/2 [==============================] - 0s 4ms/step
>28, 386/390, d1=0.824, d2=0.541, g=1.089
2/2 [==============================] - 0s 4ms/step
>28, 387/390, d1=0.759, d2=0.519, g=1.077
2/2 [==============================] - 0s 4ms/step
>28, 388/390, d1=0.695, d2=0.525, g=1.035
2/2 [==============================] - 0s 4ms/step
>28, 389/390, d1=0.726, d2=0.593, g=1.081
2/2 [==============================] - 0s 4ms/step
>28, 390/390, d1=0.701, d2=0.593, g=0.977
2/2 [==============================] - 0s 4ms/step
>30, 1/390, d1=0.647, d2=0.583, g=0.959
2/2 [==============================] - 0s 4ms/step
>30, 2/390, d1=0.681, d2=0.687, g=0.875
2/2 [==============================] - 0s 4ms/step
>30, 3/390, d1=0.683, d2=0.672, g=0.828
2/2 [==============================] - 0s 4ms/step
>30, 4/390, d1=0.708, d2=0.656, g=0.843
2/2 [==============================] - 0s 4ms/step
>30, 5/390, d1=0.570, d2=0.693, g=0.872
2/2 [==============================] - 0s 4ms/step
>30, 6/390, d1=0.599, d2=0.640, g=0.842
2/2 [==============================] - 0s 4ms/step
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>30, 7/390, d1=0.667, d2=0.631, g=0.864
2/2 [==============================] - 0s 4ms/step
>30, 8/390, d1=0.620, d2=0.661, g=0.869
2/2 [==============================] - 0s 4ms/step
>30, 9/390, d1=0.627, d2=0.757, g=0.871
2/2 [==============================] - 0s 4ms/step
>30, 10/390, d1=0.591, d2=0.669, g=0.935
2/2 [==============================] - 0s 4ms/step
>30, 11/390, d1=0.675, d2=0.605, g=0.936
2/2 [==============================] - 0s 4ms/step
>30, 12/390, d1=0.609, d2=0.609, g=0.912
2/2 [==============================] - 0s 4ms/step
>30, 13/390, d1=0.612, d2=0.682, g=0.927
2/2 [==============================] - 0s 4ms/step
>30, 14/390, d1=0.655, d2=0.666, g=0.888
2/2 [==============================] - 0s 3ms/step
>30, 15/390, d1=0.610, d2=0.670, g=0.913
2/2 [==============================] - 0s 3ms/step
>30, 16/390, d1=0.667, d2=0.687, g=0.929
2/2 [==============================] - 0s 4ms/step
>30, 17/390, d1=0.682, d2=0.632, g=0.956
2/2 [==============================] - 0s 4ms/step
>30, 18/390, d1=0.703, d2=0.640, g=0.890
2/2 [==============================] - 0s 3ms/step
>30, 19/390, d1=0.608, d2=0.720, g=0.938
2/2 [==============================] - 0s 4ms/step
>30, 20/390, d1=0.738, d2=0.580, g=0.910
2/2 [==============================] - 0s 4ms/step
>30, 21/390, d1=0.753, d2=0.661, g=1.034
2/2 [==============================] - 0s 4ms/step
>30, 22/390, d1=0.674, d2=0.614, g=0.924
2/2 [==============================] - 0s 3ms/step
>30, 23/390, d1=0.681, d2=0.557, g=0.927
2/2 [==============================] - 0s 4ms/step
>30, 24/390, d1=0.641, d2=0.578, g=0.853
2/2 [==============================] - 0s 4ms/step
>30, 25/390, d1=0.653, d2=0.648, g=0.856
2/2 [==============================] - 0s 4ms/step
>30, 26/390, d1=0.615, d2=0.678, g=0.916
2/2 [==============================] - 0s 4ms/step
>30, 27/390, d1=0.634, d2=0.600, g=0.878
2/2 [==============================] - 0s 5ms/step
>30, 28/390, d1=0.615, d2=0.675, g=0.949
2/2 [==============================] - 0s 4ms/step
>30, 29/390, d1=0.528, d2=0.621, g=0.921
2/2 [==============================] - 0s 4ms/step
>30, 30/390, d1=0.631, d2=0.588, g=0.912
2/2 [==============================] - 0s 4ms/step
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>30, 31/390, d1=0.561, d2=0.614, g=0.932
2/2 [==============================] - 0s 4ms/step
>30, 32/390, d1=0.587, d2=0.621, g=0.878
2/2 [==============================] - 0s 3ms/step
>30, 33/390, d1=0.516, d2=0.624, g=0.910
2/2 [==============================] - 0s 4ms/step
>30, 34/390, d1=0.622, d2=0.702, g=0.928
2/2 [==============================] - 0s 4ms/step
>30, 35/390, d1=0.612, d2=0.631, g=0.971
2/2 [==============================] - 0s 4ms/step
>30, 36/390, d1=0.628, d2=0.587, g=1.041
2/2 [==============================] - 0s 4ms/step
>30, 37/390, d1=0.641, d2=0.558, g=1.028
2/2 [==============================] - 0s 4ms/step
>30, 38/390, d1=0.711, d2=0.590, g=0.981
2/2 [==============================] - 0s 4ms/step
>30, 39/390, d1=0.653, d2=0.646, g=1.013
2/2 [==============================] - 0s 4ms/step
>30, 40/390, d1=0.662, d2=0.559, g=1.005
2/2 [==============================] - 0s 4ms/step
>30, 41/390, d1=0.651, d2=0.635, g=0.922
2/2 [==============================] - 0s 4ms/step
>30, 42/390, d1=0.708, d2=0.594, g=0.866
2/2 [==============================] - 0s 3ms/step
>30, 43/390, d1=0.778, d2=0.678, g=0.853
2/2 [==============================] - 0s 4ms/step
>30, 44/390, d1=0.674, d2=0.675, g=0.855
2/2 [==============================] - 0s 3ms/step
>30, 45/390, d1=0.685, d2=0.678, g=0.833
2/2 [==============================] - 0s 4ms/step
>30, 46/390, d1=0.703, d2=0.671, g=0.863
2/2 [==============================] - 0s 4ms/step
>30, 47/390, d1=0.668, d2=0.665, g=0.821
2/2 [==============================] - 0s 4ms/step
>30, 48/390, d1=0.638, d2=0.770, g=0.849
2/2 [==============================] - 0s 4ms/step
>30, 49/390, d1=0.670, d2=0.653, g=0.848
2/2 [==============================] - 0s 4ms/step
>30, 50/390, d1=0.681, d2=0.616, g=0.881
2/2 [==============================] - 0s 4ms/step
>30, 51/390, d1=0.608, d2=0.651, g=0.865
2/2 [==============================] - 0s 4ms/step
>30, 52/390, d1=0.605, d2=0.576, g=0.914
2/2 [==============================] - 0s 4ms/step
>30, 53/390, d1=0.625, d2=0.644, g=0.905
2/2 [==============================] - 0s 4ms/step
>30, 54/390, d1=0.608, d2=0.624, g=0.936
2/2 [==============================] - 0s 4ms/step
```

```
>30, 55/390, d1=0.652, d2=0.604, g=0.901
2/2 [==============================] - 0s 4ms/step
>30, 56/390, d1=0.566, d2=0.646, g=0.889
2/2 [==============================] - 0s 4ms/step
>30, 57/390, d1=0.505, d2=0.682, g=0.893
2/2 [==============================] - 0s 4ms/step
>30, 58/390, d1=0.560, d2=0.693, g=0.920
2/2 [==============================] - 0s 4ms/step
>30, 59/390, d1=0.630, d2=0.595, g=1.005
2/2 [==============================] - 0s 4ms/step
>30, 60/390, d1=0.600, d2=0.714, g=0.980
2/2 [==============================] - 0s 4ms/step
>30, 61/390, d1=0.620, d2=0.636, g=0.976
2/2 [==============================] - 0s 4ms/step
>30, 62/390, d1=0.779, d2=0.604, g=1.026
2/2 [==============================] - 0s 3ms/step
>30, 63/390, d1=0.728, d2=0.729, g=0.983
2/2 [==============================] - 0s 4ms/step
>30, 64/390, d1=0.727, d2=0.595, g=0.962
2/2 [==============================] - 0s 4ms/step
>30, 65/390, d1=0.726, d2=0.552, g=0.995
2/2 [==============================] - 0s 4ms/step
>30, 66/390, d1=0.841, d2=0.536, g=1.000
2/2 [==============================] - 0s 4ms/step
>30, 67/390, d1=0.696, d2=0.548, g=0.964
2/2 [==============================] - 0s 4ms/step
>30, 68/390, d1=0.710, d2=0.572, g=1.033
2/2 [==============================] - 0s 4ms/step
>30, 69/390, d1=0.694, d2=0.558, g=0.985
2/2 [==============================] - 0s 4ms/step
>30, 70/390, d1=0.607, d2=0.526, g=0.987
2/2 [==============================] - 0s 4ms/step
>30, 71/390, d1=0.638, d2=0.557, g=0.964
2/2 [==============================] - 0s 4ms/step
>30, 72/390, d1=0.560, d2=0.561, g=0.879
2/2 [==============================] - 0s 4ms/step
>30, 73/390, d1=0.537, d2=0.610, g=0.817
2/2 [==============================] - 0s 4ms/step
>30, 74/390, d1=0.499, d2=0.760, g=0.823
2/2 [==============================] - 0s 4ms/step
>30, 75/390, d1=0.475, d2=0.848, g=0.808
2/2 [==============================] - 0s 4ms/step
>30, 76/390, d1=0.597, d2=0.740, g=0.826
2/2 [==============================] - 0s 4ms/step
>30, 77/390, d1=0.518, d2=0.765, g=0.832
2/2 [==============================] - 0s 3ms/step
>30, 78/390, d1=0.567, d2=0.659, g=0.911
2/2 [==============================] - 0s 4ms/step
```

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>30, 79/390, d1=0.581, d2=0.644, g=0.920
2/2 [==============================] - 0s 4ms/step
>30, 80/390, d1=0.546, d2=0.620, g=0.915
2/2 [==============================] - 0s 4ms/step
>30, 81/390, d1=0.551, d2=0.824, g=0.931
2/2 [==============================] - 0s 4ms/step
>30, 82/390, d1=0.589, d2=0.761, g=0.929
2/2 [==============================] - 0s 4ms/step
>30, 83/390, d1=0.599, d2=0.687, g=0.990
2/2 [==============================] - 0s 4ms/step
>30, 84/390, d1=0.689, d2=0.711, g=0.918
2/2 [==============================] - 0s 4ms/step
>30, 85/390, d1=0.747, d2=0.691, g=0.969
2/2 [==============================] - 0s 4ms/step
>30, 86/390, d1=0.774, d2=0.593, g=0.944
2/2 [==============================] - 0s 4ms/step
>30, 87/390, d1=0.728, d2=0.540, g=0.982
2/2 [==============================] - 0s 4ms/step
>30, 88/390, d1=0.794, d2=0.517, g=0.970
2/2 [==============================] - 0s 4ms/step
>30, 89/390, d1=0.612, d2=0.534, g=1.016
2/2 [==============================] - 0s 4ms/step
>30, 90/390, d1=0.599, d2=0.504, g=1.070
2/2 [==============================] - 0s 4ms/step
>30, 91/390, d1=0.629, d2=0.550, g=1.058
2/2 [==============================] - 0s 4ms/step
>30, 92/390, d1=0.558, d2=0.642, g=0.991
2/2 [==============================] - 0s 4ms/step
>30, 93/390, d1=0.532, d2=0.639, g=0.874
2/2 [==============================] - 0s 4ms/step
>30, 94/390, d1=0.633, d2=0.924, g=0.848
2/2 [==============================] - 0s 4ms/step
>30, 95/390, d1=0.639, d2=0.706, g=0.846
2/2 [==============================] - 0s 4ms/step
>30, 96/390, d1=0.688, d2=0.664, g=0.901
2/2 [==============================] - 0s 3ms/step
>30, 97/390, d1=0.729, d2=0.606, g=0.946
2/2 [==============================] - 0s 4ms/step
>30, 98/390, d1=0.701, d2=0.551, g=1.004
2/2 [==============================] - 0s 4ms/step
>30, 99/390, d1=0.599, d2=0.534, g=1.080
2/2 [==============================] - 0s 4ms/step
>30, 100/390, d1=0.526, d2=0.590, g=0.977
2/2 [==============================] - 0s 4ms/step
>30, 101/390, d1=0.535, d2=0.672, g=0.886
2/2 [==============================] - 0s 4ms/step
>30, 102/390, d1=0.545, d2=0.753, g=0.995
2/2 [==============================] - 0s 4ms/step
```

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>30, 103/390, d1=0.656, d2=0.637, g=1.021
2/2 [==============================] - 0s 4ms/step
>30, 104/390, d1=0.754, d2=0.563, g=0.915
2/2 [==============================] - 0s 4ms/step
>30, 105/390, d1=0.739, d2=0.601, g=0.952
2/2 [==============================] - 0s 4ms/step
>30, 106/390, d1=0.735, d2=0.612, g=0.943
2/2 [==============================] - 0s 4ms/step
>30, 107/390, d1=0.708, d2=0.739, g=0.912
2/2 [==============================] - 0s 4ms/step
>30, 108/390, d1=0.605, d2=0.636, g=0.892
2/2 [==============================] - 0s 4ms/step
>30, 109/390, d1=0.646, d2=0.635, g=0.915
2/2 [==============================] - 0s 4ms/step
>30, 110/390, d1=0.663, d2=0.591, g=0.962
2/2 [==============================] - 0s 4ms/step
>30, 111/390, d1=0.686, d2=0.615, g=0.916
2/2 [==============================] - 0s 4ms/step
>30, 112/390, d1=0.653, d2=0.532, g=0.988
2/2 [==============================] - 0s 4ms/step
>30, 113/390, d1=0.617, d2=0.641, g=0.938
2/2 [==============================] - 0s 4ms/step
>30, 114/390, d1=0.652, d2=0.579, g=0.938
2/2 [==============================] - 0s 4ms/step
>30, 115/390, d1=0.657, d2=0.542, g=0.975
2/2 [==============================] - 0s 4ms/step
>30, 116/390, d1=0.553, d2=0.565, g=0.963
2/2 [==============================] - 0s 4ms/step
>30, 117/390, d1=0.646, d2=0.607, g=0.951
2/2 [==============================] - 0s 4ms/step
>30, 118/390, d1=0.629, d2=0.604, g=0.947
2/2 [==============================] - 0s 4ms/step
>30, 119/390, d1=0.594, d2=0.609, g=0.969
2/2 [==============================] - 0s 4ms/step
>30, 120/390, d1=0.559, d2=0.692, g=0.914
2/2 [==============================] - 0s 4ms/step
>30, 121/390, d1=0.694, d2=0.597, g=0.934
2/2 [==============================] - 0s 4ms/step
>30, 122/390, d1=0.732, d2=0.637, g=0.907
2/2 [==============================] - 0s 5ms/step
>30, 123/390, d1=0.679, d2=0.626, g=0.877
2/2 [==============================] - 0s 4ms/step
>30, 124/390, d1=0.651, d2=0.589, g=0.952
2/2 [==============================] - 0s 5ms/step
>30, 125/390, d1=0.660, d2=0.658, g=0.881
2/2 [==============================] - 0s 4ms/step
>30, 126/390, d1=0.687, d2=0.646, g=0.910
2/2 [==============================] - 0s 4ms/step
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>30, 127/390, d1=0.662, d2=0.632, g=0.972
2/2 [==============================] - 0s 4ms/step
>30, 128/390, d1=0.689, d2=0.657, g=0.906
2/2 [==============================] - 0s 3ms/step
>30, 129/390, d1=0.682, d2=0.693, g=0.930
2/2 [==============================] - 0s 4ms/step
>30, 130/390, d1=0.684, d2=0.649, g=0.940
2/2 [==============================] - 0s 4ms/step
>30, 131/390, d1=0.686, d2=0.651, g=0.910
2/2 [==============================] - 0s 4ms/step
>30, 132/390, d1=0.629, d2=0.570, g=0.935
2/2 [==============================] - 0s 4ms/step
>30, 133/390, d1=0.721, d2=0.623, g=0.902
2/2 [==============================] - 0s 3ms/step
>30, 134/390, d1=0.673, d2=0.639, g=0.915
2/2 [==============================] - 0s 4ms/step
>30, 135/390, d1=0.692, d2=0.628, g=0.888
2/2 [==============================] - 0s 4ms/step
>30, 136/390, d1=0.652, d2=0.595, g=0.912
2/2 [==============================] - 0s 4ms/step
>30, 137/390, d1=0.613, d2=0.694, g=0.924
2/2 [==============================] - 0s 4ms/step
>30, 138/390, d1=0.692, d2=0.660, g=0.898
2/2 [==============================] - 0s 4ms/step
>30, 139/390, d1=0.668, d2=0.602, g=0.968
2/2 [==============================] - 0s 4ms/step
>30, 140/390, d1=0.697, d2=0.642, g=0.918
2/2 [==============================] - 0s 4ms/step
>30, 141/390, d1=0.705, d2=0.585, g=0.944
2/2 [==============================] - 0s 4ms/step
>30, 142/390, d1=0.662, d2=0.633, g=0.938
2/2 [==============================] - 0s 4ms/step
>30, 143/390, d1=0.644, d2=0.579, g=0.958
2/2 [==============================] - 0s 4ms/step
>30, 144/390, d1=0.703, d2=0.728, g=0.919
2/2 [==============================] - 0s 4ms/step
>30, 145/390, d1=0.664, d2=0.678, g=0.966
2/2 [==============================] - 0s 3ms/step
>30, 146/390, d1=0.672, d2=0.667, g=1.099
2/2 [==============================] - 0s 3ms/step
>30, 147/390, d1=0.737, d2=0.553, g=1.020
2/2 [==============================] - 0s 4ms/step
>30, 148/390, d1=0.710, d2=0.597, g=0.981
2/2 [==============================] - 0s 4ms/step
>30, 149/390, d1=0.681, d2=0.593, g=0.955
2/2 [==============================] - 0s 4ms/step
>30, 150/390, d1=0.746, d2=0.586, g=0.869
2/2 [==============================] - 0s 4ms/step
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>30, 151/390, d1=0.599, d2=0.604, g=0.921
2/2 [==============================] - 0s 4ms/step
>30, 152/390, d1=0.626, d2=0.639, g=0.911
2/2 [==============================] - 0s 4ms/step
>30, 153/390, d1=0.648, d2=0.621, g=0.896
2/2 [==============================] - 0s 4ms/step
>30, 154/390, d1=0.711, d2=0.558, g=0.862
2/2 [==============================] - 0s 4ms/step
>30, 155/390, d1=0.679, d2=0.624, g=0.903
2/2 [==============================] - 0s 3ms/step
>30, 156/390, d1=0.604, d2=0.646, g=0.909
2/2 [==============================] - 0s 4ms/step
>30, 157/390, d1=0.665, d2=0.589, g=0.863
2/2 [==============================] - 0s 4ms/step
>30, 158/390, d1=0.584, d2=0.712, g=0.826
2/2 [==============================] - 0s 4ms/step
>30, 159/390, d1=0.620, d2=0.659, g=0.888
2/2 [==============================] - 0s 4ms/step
>30, 160/390, d1=0.681, d2=0.615, g=0.840
2/2 [==============================] - 0s 4ms/step
>30, 161/390, d1=0.683, d2=0.644, g=0.849
2/2 [==============================] - 0s 4ms/step
>30, 162/390, d1=0.633, d2=0.696, g=0.834
2/2 [==============================] - 0s 4ms/step
>30, 163/390, d1=0.609, d2=0.687, g=0.830
2/2 [==============================] - 0s 4ms/step
>30, 164/390, d1=0.604, d2=0.661, g=0.885
2/2 [==============================] - 0s 4ms/step
>30, 165/390, d1=0.658, d2=0.668, g=0.885
2/2 [==============================] - 0s 4ms/step
>30, 166/390, d1=0.602, d2=0.742, g=0.936
2/2 [==============================] - 0s 4ms/step
>30, 167/390, d1=0.657, d2=0.622, g=0.967
2/2 [==============================] - 0s 3ms/step
>30, 168/390, d1=0.692, d2=0.608, g=0.905
2/2 [==============================] - 0s 4ms/step
>30, 169/390, d1=0.680, d2=0.627, g=0.917
2/2 [==============================] - 0s 4ms/step
>30, 170/390, d1=0.634, d2=0.638, g=0.897
2/2 [==============================] - 0s 4ms/step
>30, 171/390, d1=0.605, d2=0.641, g=0.854
2/2 [==============================] - 0s 4ms/step
>30, 172/390, d1=0.579, d2=0.623, g=0.910
2/2 [==============================] - 0s 4ms/step
>30, 173/390, d1=0.643, d2=0.646, g=0.901
2/2 [==============================] - 0s 4ms/step
>30, 174/390, d1=0.702, d2=0.629, g=0.938
2/2 [==============================] - 0s 4ms/step
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>30, 175/390, d1=0.704, d2=0.602, g=0.981
2/2 [==============================] - 0s 4ms/step
>30, 176/390, d1=0.730, d2=0.558, g=0.953
2/2 [==============================] - 0s 4ms/step
>30, 177/390, d1=0.675, d2=0.608, g=0.979
2/2 [==============================] - 0s 4ms/step
>30, 178/390, d1=0.668, d2=0.632, g=0.976
2/2 [==============================] - 0s 4ms/step
>30, 179/390, d1=0.689, d2=0.582, g=0.954
2/2 [==============================] - 0s 4ms/step
>30, 180/390, d1=0.662, d2=0.557, g=0.956
2/2 [==============================] - 0s 4ms/step
>30, 181/390, d1=0.645, d2=0.613, g=0.898
2/2 [==============================] - 0s 4ms/step
>30, 182/390, d1=0.636, d2=0.696, g=0.911
2/2 [==============================] - 0s 4ms/step
>30, 183/390, d1=0.677, d2=0.623, g=0.838
2/2 [==============================] - 0s 4ms/step
>30, 184/390, d1=0.617, d2=0.722, g=0.848
2/2 [==============================] - 0s 4ms/step
>30, 185/390, d1=0.625, d2=0.638, g=0.877
2/2 [==============================] - 0s 4ms/step
>30, 186/390, d1=0.667, d2=0.625, g=0.836
2/2 [==============================] - 0s 4ms/step
>30, 187/390, d1=0.562, d2=0.670, g=0.849
2/2 [==============================] - 0s 3ms/step
>30, 188/390, d1=0.559, d2=0.678, g=0.825
2/2 [==============================] - 0s 4ms/step
>30, 189/390, d1=0.590, d2=0.891, g=0.919
2/2 [==============================] - 0s 4ms/step
>30, 190/390, d1=0.670, d2=0.642, g=1.016
2/2 [==============================] - 0s 4ms/step
>30, 191/390, d1=0.669, d2=0.586, g=1.042
2/2 [==============================] - 0s 4ms/step
>30, 192/390, d1=0.808, d2=0.571, g=0.990
2/2 [==============================] - 0s 3ms/step
>30, 193/390, d1=0.699, d2=0.558, g=0.935
2/2 [==============================] - 0s 4ms/step
>30, 194/390, d1=0.665, d2=0.576, g=0.930
2/2 [==============================] - 0s 4ms/step
>30, 195/390, d1=0.677, d2=0.616, g=0.930
2/2 [==============================] - 0s 4ms/step
>30, 196/390, d1=0.637, d2=0.658, g=0.925
2/2 [==============================] - 0s 4ms/step
>30, 197/390, d1=0.657, d2=0.557, g=0.960
2/2 [==============================] - 0s 4ms/step
>30, 198/390, d1=0.689, d2=0.766, g=0.879
2/2 [==============================] - 0s 4ms/step
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>30, 199/390, d1=0.664, d2=0.699, g=0.859
2/2 [==============================] - 0s 4ms/step
>30, 200/390, d1=0.652, d2=0.688, g=0.859
2/2 [==============================] - 0s 5ms/step
>30, 201/390, d1=0.696, d2=0.688, g=0.873
2/2 [==============================] - 0s 4ms/step
>30, 202/390, d1=0.746, d2=0.591, g=0.868
2/2 [==============================] - 0s 3ms/step
>30, 203/390, d1=0.687, d2=0.610, g=0.838
2/2 [==============================] - 0s 4ms/step
>30, 204/390, d1=0.687, d2=0.689, g=0.865
2/2 [==============================] - 0s 4ms/step
>30, 205/390, d1=0.688, d2=0.675, g=0.846
2/2 [==============================] - 0s 4ms/step
>30, 206/390, d1=0.749, d2=0.648, g=0.827
2/2 [==============================] - 0s 4ms/step
>30, 207/390, d1=0.687, d2=0.630, g=0.841
2/2 [==============================] - 0s 4ms/step
>30, 208/390, d1=0.635, d2=0.627, g=0.894
2/2 [==============================] - 0s 4ms/step
>30, 209/390, d1=0.677, d2=0.641, g=0.864
2/2 [==============================] - 0s 4ms/step
>30, 210/390, d1=0.640, d2=0.605, g=0.866
2/2 [==============================] - 0s 4ms/step
>30, 211/390, d1=0.650, d2=0.684, g=0.883
2/2 [==============================] - 0s 4ms/step
>30, 212/390, d1=0.638, d2=0.636, g=0.893
2/2 [==============================] - 0s 4ms/step
>30, 213/390, d1=0.664, d2=0.703, g=0.904
2/2 [==============================] - 0s 4ms/step
>30, 214/390, d1=0.654, d2=0.581, g=0.885
2/2 [==============================] - 0s 4ms/step
>30, 215/390, d1=0.588, d2=0.667, g=0.847
2/2 [==============================] - 0s 3ms/step
>30, 216/390, d1=0.663, d2=0.577, g=0.896
2/2 [==============================] - 0s 4ms/step
>30, 217/390, d1=0.664, d2=0.580, g=0.889
2/2 [==============================] - 0s 4ms/step
>30, 218/390, d1=0.673, d2=0.677, g=0.926
2/2 [==============================] - 0s 4ms/step
>30, 219/390, d1=0.703, d2=0.601, g=0.881
2/2 [==============================] - 0s 4ms/step
>30, 220/390, d1=0.704, d2=0.627, g=0.850
2/2 [==============================] - 0s 4ms/step
>30, 221/390, d1=0.639, d2=0.677, g=0.856
2/2 [==============================] - 0s 4ms/step
>30, 222/390, d1=0.671, d2=0.591, g=0.896
2/2 [==============================] - 0s 4ms/step
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>30, 223/390, d1=0.631, d2=0.613, g=0.921
2/2 [==============================] - 0s 4ms/step
>30, 224/390, d1=0.633, d2=0.547, g=0.938
2/2 [==============================] - 0s 4ms/step
>30, 225/390, d1=0.667, d2=0.563, g=0.925
2/2 [==============================] - 0s 3ms/step
>30, 226/390, d1=0.572, d2=0.651, g=0.921
2/2 [==============================] - 0s 4ms/step
>30, 227/390, d1=0.567, d2=0.640, g=0.867
2/2 [==============================] - 0s 4ms/step
>30, 228/390, d1=0.613, d2=0.714, g=0.827
2/2 [==============================] - 0s 4ms/step
>30, 229/390, d1=0.543, d2=0.663, g=0.835
2/2 [==============================] - 0s 4ms/step
>30, 230/390, d1=0.656, d2=0.737, g=0.883
2/2 [==============================] - 0s 4ms/step
>30, 231/390, d1=0.625, d2=0.718, g=0.933
2/2 [==============================] - 0s 4ms/step
>30, 232/390, d1=0.726, d2=0.678, g=0.905
2/2 [==============================] - 0s 5ms/step
>30, 233/390, d1=0.673, d2=0.673, g=0.923
2/2 [==============================] - 0s 4ms/step
>30, 234/390, d1=0.674, d2=0.650, g=0.922
2/2 [==============================] - 0s 4ms/step
>30, 235/390, d1=0.720, d2=0.644, g=0.972
2/2 [==============================] - 0s 4ms/step
>30, 236/390, d1=0.737, d2=0.642, g=0.961
2/2 [==============================] - 0s 4ms/step
>30, 237/390, d1=0.672, d2=0.558, g=1.003
2/2 [==============================] - 0s 4ms/step
>30, 238/390, d1=0.735, d2=0.569, g=1.016
2/2 [==============================] - 0s 4ms/step
>30, 239/390, d1=0.743, d2=0.618, g=0.965
2/2 [==============================] - 0s 4ms/step
>30, 240/390, d1=0.744, d2=0.619, g=0.997
2/2 [==============================] - 0s 4ms/step
>30, 241/390, d1=0.746, d2=0.584, g=0.966
2/2 [==============================] - 0s 4ms/step
>30, 242/390, d1=0.709, d2=0.576, g=0.913
2/2 [==============================] - 0s 4ms/step
>30, 243/390, d1=0.686, d2=0.592, g=0.933
2/2 [==============================] - 0s 4ms/step
>30, 244/390, d1=0.618, d2=0.580, g=0.993
2/2 [==============================] - 0s 4ms/step
>30, 245/390, d1=0.597, d2=0.595, g=0.932
2/2 [==============================] - 0s 4ms/step
>30, 246/390, d1=0.545, d2=0.690, g=0.934
2/2 [==============================] - 0s 4ms/step
```

```
>30, 247/390, d1=0.581, d2=0.680, g=0.953
2/2 [==============================] - 0s 4ms/step
>30, 248/390, d1=0.732, d2=0.586, g=0.958
2/2 [==============================] - 0s 4ms/step
>30, 249/390, d1=0.655, d2=0.627, g=0.858
2/2 [==============================] - 0s 4ms/step
>30, 250/390, d1=0.623, d2=0.712, g=0.889
2/2 [==============================] - 0s 4ms/step
>30, 251/390, d1=0.586, d2=0.690, g=0.869
2/2 [==============================] - 0s 4ms/step
>30, 252/390, d1=0.642, d2=0.725, g=0.882
2/2 [==============================] - 0s 4ms/step
>30, 253/390, d1=0.762, d2=0.704, g=0.994
2/2 [==============================] - 0s 4ms/step
>30, 254/390, d1=0.809, d2=0.536, g=0.970
2/2 [==============================] - 0s 4ms/step
>30, 255/390, d1=0.688, d2=0.567, g=0.976
2/2 [==============================] - 0s 4ms/step
>30, 256/390, d1=0.764, d2=0.601, g=0.922
2/2 [==============================] - 0s 4ms/step
>30, 257/390, d1=0.752, d2=0.619, g=0.928
2/2 [==============================] - 0s 4ms/step
>30, 258/390, d1=0.707, d2=0.597, g=0.964
2/2 [==============================] - 0s 4ms/step
>30, 259/390, d1=0.702, d2=0.577, g=0.989
2/2 [==============================] - 0s 4ms/step
>30, 260/390, d1=0.736, d2=0.614, g=0.983
2/2 [==============================] - 0s 4ms/step
>30, 261/390, d1=0.683, d2=0.565, g=0.915
2/2 [==============================] - 0s 4ms/step
>30, 262/390, d1=0.673, d2=0.598, g=0.910
2/2 [==============================] - 0s 3ms/step
>30, 263/390, d1=0.572, d2=0.628, g=0.884
2/2 [==============================] - 0s 3ms/step
>30, 264/390, d1=0.652, d2=0.666, g=0.844
2/2 [==============================] - 0s 4ms/step
>30, 265/390, d1=0.706, d2=0.615, g=0.848
2/2 [==============================] - 0s 4ms/step
>30, 266/390, d1=0.655, d2=0.704, g=0.794
2/2 [==============================] - 0s 4ms/step
>30, 267/390, d1=0.629, d2=0.680, g=0.845
2/2 [==============================] - 0s 3ms/step
>30, 268/390, d1=0.632, d2=0.635, g=0.837
2/2 [==============================] - 0s 4ms/step
>30, 269/390, d1=0.648, d2=0.674, g=0.856
2/2 [==============================] - 0s 4ms/step
>30, 270/390, d1=0.621, d2=0.615, g=0.876
2/2 [==============================] - 0s 4ms/step
```

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>30, 271/390, d1=0.588, d2=0.649, g=0.881
2/2 [==============================] - 0s 4ms/step
>30, 272/390, d1=0.607, d2=0.624, g=0.861
2/2 [==============================] - 0s 4ms/step
>30, 273/390, d1=0.471, d2=0.705, g=0.838
2/2 [==============================] - 0s 4ms/step
>30, 274/390, d1=0.548, d2=0.695, g=0.928
2/2 [==============================] - 0s 4ms/step
>30, 275/390, d1=0.611, d2=0.636, g=0.952
2/2 [==============================] - 0s 4ms/step
>30, 276/390, d1=0.671, d2=0.574, g=0.884
2/2 [==============================] - 0s 4ms/step
>30, 277/390, d1=0.601, d2=0.670, g=0.945
2/2 [==============================] - 0s 4ms/step
>30, 278/390, d1=0.670, d2=0.601, g=0.975
2/2 [==============================] - 0s 4ms/step
>30, 279/390, d1=0.718, d2=0.546, g=0.967
2/2 [==============================] - 0s 4ms/step
>30, 280/390, d1=0.777, d2=0.597, g=0.979
2/2 [==============================] - 0s 4ms/step
>30, 281/390, d1=0.586, d2=0.676, g=0.932
2/2 [==============================] - 0s 4ms/step
>30, 282/390, d1=0.661, d2=0.642, g=0.980
2/2 [==============================] - 0s 4ms/step
>30, 283/390, d1=0.649, d2=0.584, g=0.971
2/2 [==============================] - 0s 4ms/step
>30, 284/390, d1=0.681, d2=0.583, g=0.937
2/2 [==============================] - 0s 4ms/step
>30, 285/390, d1=0.681, d2=0.560, g=0.887
2/2 [==============================] - 0s 4ms/step
>30, 286/390, d1=0.557, d2=0.692, g=0.930
2/2 [==============================] - 0s 4ms/step
>30, 287/390, d1=0.625, d2=0.699, g=0.911
2/2 [==============================] - 0s 4ms/step
>30, 288/390, d1=0.649, d2=0.667, g=0.884
2/2 [==============================] - 0s 4ms/step
>30, 289/390, d1=0.675, d2=0.717, g=0.876
2/2 [==============================] - 0s 4ms/step
>30, 290/390, d1=0.660, d2=0.696, g=0.899
2/2 [==============================] - 0s 4ms/step
>30, 291/390, d1=0.594, d2=0.639, g=0.889
2/2 [==============================] - 0s 4ms/step
>30, 292/390, d1=0.643, d2=0.671, g=0.874
2/2 [==============================] - 0s 3ms/step
>30, 293/390, d1=0.645, d2=0.626, g=0.911
2/2 [==============================] - 0s 3ms/step
>30, 294/390, d1=0.697, d2=0.592, g=0.926
2/2 [==============================] - 0s 4ms/step
```

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>30, 295/390, d1=0.706, d2=0.571, g=0.904
2/2 [==============================] - 0s 3ms/step
>30, 296/390, d1=0.632, d2=0.675, g=0.878
2/2 [==============================] - 0s 4ms/step
>30, 297/390, d1=0.745, d2=0.683, g=0.935
2/2 [==============================] - 0s 4ms/step
>30, 298/390, d1=0.744, d2=0.588, g=0.944
2/2 [==============================] - 0s 4ms/step
>30, 299/390, d1=0.770, d2=0.642, g=0.903
2/2 [==============================] - 0s 4ms/step
>30, 300/390, d1=0.669, d2=0.597, g=0.958
2/2 [==============================] - 0s 4ms/step
>30, 301/390, d1=0.779, d2=0.594, g=0.918
2/2 [==============================] - 0s 4ms/step
>30, 302/390, d1=0.726, d2=0.584, g=0.891
2/2 [==============================] - 0s 4ms/step
>30, 303/390, d1=0.691, d2=0.660, g=0.917
2/2 [==============================] - 0s 4ms/step
>30, 304/390, d1=0.708, d2=0.676, g=0.836
2/2 [==============================] - 0s 3ms/step
>30, 305/390, d1=0.619, d2=0.639, g=0.876
2/2 [==============================] - 0s 4ms/step
>30, 306/390, d1=0.658, d2=0.680, g=0.816
2/2 [==============================] - 0s 3ms/step
>30, 307/390, d1=0.641, d2=0.700, g=0.863
2/2 [==============================] - 0s 4ms/step
>30, 308/390, d1=0.598, d2=0.704, g=0.890
2/2 [==============================] - 0s 4ms/step
>30, 309/390, d1=0.644, d2=0.609, g=0.908
2/2 [==============================] - 0s 4ms/step
>30, 310/390, d1=0.613, d2=0.610, g=0.920
2/2 [==============================] - 0s 4ms/step
>30, 311/390, d1=0.502, d2=0.608, g=0.839
2/2 [==============================] - 0s 4ms/step
>30, 312/390, d1=0.550, d2=0.769, g=0.866
2/2 [==============================] - 0s 4ms/step
>30, 313/390, d1=0.590, d2=0.651, g=0.892
2/2 [==============================] - 0s 4ms/step
>30, 314/390, d1=0.656, d2=0.707, g=0.887
2/2 [==============================] - 0s 4ms/step
>30, 315/390, d1=0.630, d2=0.662, g=0.884
2/2 [==============================] - 0s 4ms/step
>30, 316/390, d1=0.610, d2=0.613, g=0.884
2/2 [==============================] - 0s 4ms/step
>30, 317/390, d1=0.583, d2=0.691, g=0.854
2/2 [==============================] - 0s 4ms/step
>30, 318/390, d1=0.656, d2=0.602, g=0.888
2/2 [==============================] - 0s 4ms/step
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>30, 319/390, d1=0.613, d2=0.642, g=0.877
2/2 [==============================] - 0s 4ms/step
>30, 320/390, d1=0.681, d2=0.651, g=0.915
2/2 [==============================] - 0s 4ms/step
>30, 321/390, d1=0.610, d2=0.611, g=0.915
2/2 [==============================] - 0s 4ms/step
>30, 322/390, d1=0.633, d2=0.707, g=0.871
2/2 [==============================] - 0s 3ms/step
>30, 323/390, d1=0.617, d2=0.653, g=0.939
2/2 [==============================] - 0s 4ms/step
>30, 324/390, d1=0.687, d2=0.643, g=0.882
2/2 [==============================] - 0s 4ms/step
>30, 325/390, d1=0.670, d2=0.658, g=0.968
2/2 [==============================] - 0s 4ms/step
>30, 326/390, d1=0.663, d2=0.616, g=1.008
2/2 [==============================] - 0s 4ms/step
>30, 327/390, d1=0.727, d2=0.609, g=0.943
2/2 [==============================] - 0s 4ms/step
>30, 328/390, d1=0.670, d2=0.618, g=1.024
2/2 [==============================] - 0s 4ms/step
>30, 329/390, d1=0.627, d2=0.573, g=0.989
2/2 [==============================] - 0s 3ms/step
>30, 330/390, d1=0.707, d2=0.584, g=0.985
2/2 [==============================] - 0s 4ms/step
>30, 331/390, d1=0.726, d2=0.716, g=0.888
2/2 [==============================] - 0s 4ms/step
>30, 332/390, d1=0.687, d2=0.736, g=0.961
2/2 [==============================] - 0s 4ms/step
>30, 333/390, d1=0.716, d2=0.607, g=0.914
2/2 [==============================] - 0s 3ms/step
>30, 334/390, d1=0.705, d2=0.631, g=0.881
2/2 [==============================] - 0s 4ms/step
>30, 335/390, d1=0.671, d2=0.625, g=0.937
2/2 [==============================] - 0s 3ms/step
>30, 336/390, d1=0.630, d2=0.600, g=0.902
2/2 [==============================] - 0s 4ms/step
>30, 337/390, d1=0.615, d2=0.604, g=0.951
2/2 [==============================] - 0s 4ms/step
>30, 338/390, d1=0.661, d2=0.612, g=0.918
2/2 [==============================] - 0s 4ms/step
>30, 339/390, d1=0.575, d2=0.675, g=0.913
2/2 [==============================] - 0s 4ms/step
>30, 340/390, d1=0.614, d2=0.638, g=0.908
2/2 [==============================] - 0s 4ms/step
>30, 341/390, d1=0.561, d2=0.692, g=0.976
2/2 [==============================] - 0s 4ms/step
>30, 342/390, d1=0.641, d2=0.620, g=0.969
2/2 [==============================] - 0s 4ms/step
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>30, 343/390, d1=0.628, d2=0.669, g=0.977
2/2 [==============================] - 0s 4ms/step
>30, 344/390, d1=0.732, d2=0.611, g=0.924
2/2 [==============================] - 0s 4ms/step
>30, 345/390, d1=0.701, d2=0.616, g=0.917
2/2 [==============================] - 0s 4ms/step
>30, 346/390, d1=0.636, d2=0.603, g=0.904
2/2 [==============================] - 0s 3ms/step
>30, 347/390, d1=0.657, d2=0.640, g=0.867
2/2 [==============================] - 0s 3ms/step
>30, 348/390, d1=0.709, d2=0.652, g=0.906
2/2 [==============================] - 0s 4ms/step
>30, 349/390, d1=0.691, d2=0.608, g=0.888
2/2 [==============================] - 0s 4ms/step
>30, 350/390, d1=0.672, d2=0.648, g=0.848
2/2 [==============================] - 0s 3ms/step
>30, 351/390, d1=0.619, d2=0.668, g=0.853
2/2 [==============================] - 0s 4ms/step
>30, 352/390, d1=0.578, d2=0.715, g=0.925
2/2 [==============================] - 0s 4ms/step
>30, 353/390, d1=0.628, d2=0.612, g=0.889
2/2 [==============================] - 0s 4ms/step
>30, 354/390, d1=0.713, d2=0.656, g=0.954
2/2 [==============================] - 0s 4ms/step
>30, 355/390, d1=0.686, d2=0.620, g=0.923
2/2 [==============================] - 0s 4ms/step
>30, 356/390, d1=0.675, d2=0.623, g=0.906
2/2 [==============================] - 0s 4ms/step
>30, 357/390, d1=0.714, d2=0.644, g=0.860
2/2 [==============================] - 0s 4ms/step
>30, 358/390, d1=0.706, d2=0.647, g=0.831
2/2 [==============================] - 0s 4ms/step
>30, 359/390, d1=0.612, d2=0.634, g=0.892
2/2 [==============================] - 0s 4ms/step
>30, 360/390, d1=0.704, d2=0.621, g=0.883
2/2 [==============================] - 0s 4ms/step
>30, 361/390, d1=0.741, d2=0.592, g=0.904
2/2 [==============================] - 0s 4ms/step
>30, 362/390, d1=0.662, d2=0.590, g=0.883
2/2 [==============================] - 0s 4ms/step
>30, 363/390, d1=0.658, d2=0.686, g=0.887
2/2 [==============================] - 0s 4ms/step
>30, 364/390, d1=0.688, d2=0.662, g=0.918
2/2 [==============================] - 0s 4ms/step
>30, 365/390, d1=0.734, d2=0.566, g=0.880
2/2 [==============================] - 0s 4ms/step
>30, 366/390, d1=0.643, d2=0.601, g=0.867
2/2 [==============================] - 0s 4ms/step
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>30, 367/390, d1=0.695, d2=0.680, g=0.885
2/2 [==============================] - 0s 4ms/step
>30, 368/390, d1=0.638, d2=0.583, g=0.927
2/2 [==============================] - 0s 4ms/step
>30, 369/390, d1=0.639, d2=0.707, g=0.910
2/2 [==============================] - 0s 4ms/step
>30, 370/390, d1=0.685, d2=0.618, g=0.984
2/2 [==============================] - 0s 4ms/step
>30, 371/390, d1=0.743, d2=0.507, g=1.038
2/2 [==============================] - 0s 4ms/step
>30, 372/390, d1=0.725, d2=0.552, g=1.018
2/2 [==============================] - 0s 4ms/step
>30, 373/390, d1=0.738, d2=0.587, g=1.018
2/2 [==============================] - 0s 4ms/step
>30, 374/390, d1=0.671, d2=0.516, g=1.031
2/2 [==============================] - 0s 4ms/step
>30, 375/390, d1=0.725, d2=0.576, g=0.935
2/2 [==============================] - 0s 4ms/step
>30, 376/390, d1=0.651, d2=0.650, g=0.879
2/2 [==============================] - 0s 4ms/step
>30, 377/390, d1=0.588, d2=0.706, g=0.855
2/2 [==============================] - 0s 4ms/step
>30, 378/390, d1=0.579, d2=0.755, g=0.803
2/2 [==============================] - 0s 4ms/step
>30, 379/390, d1=0.625, d2=0.735, g=0.809
2/2 [==============================] - 0s 3ms/step
>30, 380/390, d1=0.651, d2=0.720, g=0.793
2/2 [==============================] - 0s 4ms/step
>30, 381/390, d1=0.653, d2=0.719, g=0.812
2/2 [==============================] - 0s 4ms/step
>30, 382/390, d1=0.748, d2=0.650, g=0.825
2/2 [==============================] - 0s 3ms/step
>30, 383/390, d1=0.661, d2=0.711, g=0.824
2/2 [==============================] - 0s 4ms/step
>30, 384/390, d1=0.654, d2=0.618, g=0.827
2/2 [==============================] - 0s 4ms/step
>30, 385/390, d1=0.674, d2=0.681, g=0.822
2/2 [==============================] - 0s 4ms/step
>30, 386/390, d1=0.572, d2=0.675, g=0.840
2/2 [==============================] - 0s 4ms/step
>30, 387/390, d1=0.500, d2=0.665, g=0.819
2/2 [==============================] - 0s 4ms/step
>30, 388/390, d1=0.583, d2=0.721, g=0.806
2/2 [==============================] - 0s 4ms/step
>30, 389/390, d1=0.603, d2=0.783, g=0.887
2/2 [==============================] - 0s 4ms/step
>30, 390/390, d1=0.643, d2=0.604, g=0.878
2/2 [==============================] - 0s 4ms/step
```

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>32, 1/390, d1=0.640, d2=0.634, g=0.908
2/2 [==============================] - 0s 4ms/step
>32, 2/390, d1=0.630, d2=0.652, g=0.915
2/2 [==============================] - 0s 4ms/step
>32, 3/390, d1=0.618, d2=0.674, g=0.969
2/2 [==============================] - 0s 4ms/step
>32, 4/390, d1=0.704, d2=0.550, g=0.949
2/2 [==============================] - 0s 4ms/step
>32, 5/390, d1=0.657, d2=0.609, g=0.924
2/2 [==============================] - 0s 4ms/step
>32, 6/390, d1=0.653, d2=0.575, g=0.905
2/2 [==============================] - 0s 4ms/step
>32, 7/390, d1=0.687, d2=0.664, g=0.946
2/2 [==============================] - 0s 5ms/step
>32, 8/390, d1=0.602, d2=0.664, g=0.909
2/2 [==============================] - 0s 4ms/step
>32, 9/390, d1=0.649, d2=0.653, g=0.890
2/2 [==============================] - 0s 4ms/step
>32, 10/390, d1=0.615, d2=0.675, g=0.891
2/2 [==============================] - 0s 4ms/step
>32, 11/390, d1=0.576, d2=0.674, g=0.891
2/2 [==============================] - 0s 4ms/step
>32, 12/390, d1=0.615, d2=0.663, g=0.931
2/2 [==============================] - 0s 4ms/step
>32, 13/390, d1=0.741, d2=0.706, g=0.860
2/2 [==============================] - 0s 4ms/step
>32, 14/390, d1=0.716, d2=0.674, g=0.889
2/2 [==============================] - 0s 4ms/step
>32, 15/390, d1=0.785, d2=0.675, g=0.929
2/2 [==============================] - 0s 4ms/step
>32, 16/390, d1=0.704, d2=0.552, g=0.997
2/2 [==============================] - 0s 4ms/step
>32, 17/390, d1=0.741, d2=0.536, g=0.975
2/2 [==============================] - 0s 4ms/step
>32, 18/390, d1=0.683, d2=0.531, g=0.981
2/2 [==============================] - 0s 4ms/step
>32, 19/390, d1=0.657, d2=0.659, g=1.033
2/2 [==============================] - 0s 4ms/step
>32, 20/390, d1=0.669, d2=0.620, g=0.980
2/2 [==============================] - 0s 3ms/step
>32, 21/390, d1=0.555, d2=0.607, g=0.937
2/2 [==============================] - 0s 4ms/step
>32, 22/390, d1=0.598, d2=0.731, g=0.891
2/2 [==============================] - 0s 4ms/step
>32, 23/390, d1=0.582, d2=0.738, g=0.947
2/2 [==============================] - 0s 4ms/step
>32, 24/390, d1=0.708, d2=0.633, g=0.954
2/2 [==============================] - 0s 4ms/step
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>32, 25/390, d1=0.629, d2=0.767, g=0.966
2/2 [==============================] - 0s 4ms/step
>32, 26/390, d1=0.635, d2=0.533, g=1.005
2/2 [==============================] - 0s 4ms/step
>32, 27/390, d1=0.840, d2=0.568, g=0.913
2/2 [==============================] - 0s 4ms/step
>32, 28/390, d1=0.719, d2=0.583, g=0.928
2/2 [==============================] - 0s 4ms/step
>32, 29/390, d1=0.657, d2=0.637, g=0.860
2/2 [==============================] - 0s 3ms/step
>32, 30/390, d1=0.704, d2=0.715, g=0.854
2/2 [==============================] - 0s 4ms/step
>32, 31/390, d1=0.682, d2=0.652, g=0.892
2/2 [==============================] - 0s 4ms/step
>32, 32/390, d1=0.722, d2=0.676, g=0.886
2/2 [==============================] - 0s 4ms/step
>32, 33/390, d1=0.689, d2=0.587, g=0.851
2/2 [==============================] - 0s 4ms/step
>32, 34/390, d1=0.687, d2=0.657, g=0.851
2/2 [==============================] - 0s 4ms/step
>32, 35/390, d1=0.645, d2=0.707, g=0.842
2/2 [==============================] - 0s 4ms/step
>32, 36/390, d1=0.686, d2=0.637, g=0.850
2/2 [==============================] - 0s 4ms/step
>32, 37/390, d1=0.615, d2=0.594, g=0.855
2/2 [==============================] - 0s 4ms/step
>32, 38/390, d1=0.642, d2=0.654, g=0.876
2/2 [==============================] - 0s 4ms/step
>32, 39/390, d1=0.589, d2=0.613, g=0.916
2/2 [==============================] - 0s 4ms/step
>32, 40/390, d1=0.681, d2=0.629, g=0.900
2/2 [==============================] - 0s 4ms/step
>32, 41/390, d1=0.594, d2=0.569, g=0.934
2/2 [==============================] - 0s 4ms/step
>32, 42/390, d1=0.658, d2=0.617, g=0.907
2/2 [==============================] - 0s 4ms/step
>32, 43/390, d1=0.671, d2=0.544, g=0.906
2/2 [==============================] - 0s 4ms/step
>32, 44/390, d1=0.644, d2=0.667, g=0.935
2/2 [==============================] - 0s 3ms/step
>32, 45/390, d1=0.619, d2=0.734, g=0.943
2/2 [==============================] - 0s 4ms/step
>32, 46/390, d1=0.715, d2=0.658, g=0.902
2/2 [==============================] - 0s 4ms/step
>32, 47/390, d1=0.657, d2=0.636, g=0.896
2/2 [==============================] - 0s 4ms/step
>32, 48/390, d1=0.657, d2=0.674, g=0.913
2/2 [==============================] - 0s 4ms/step
```

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>32, 49/390, d1=0.689, d2=0.642, g=0.908
2/2 [==============================] - 0s 4ms/step
>32, 50/390, d1=0.712, d2=0.624, g=0.920
2/2 [==============================] - 0s 4ms/step
>32, 51/390, d1=0.691, d2=0.606, g=0.920
2/2 [==============================] - 0s 3ms/step
>32, 52/390, d1=0.688, d2=0.655, g=0.940
2/2 [==============================] - 0s 3ms/step
>32, 53/390, d1=0.638, d2=0.593, g=0.940
2/2 [==============================] - 0s 3ms/step
>32, 54/390, d1=0.663, d2=0.614, g=0.927
2/2 [==============================] - 0s 4ms/step
>32, 55/390, d1=0.657, d2=0.639, g=0.908
2/2 [==============================] - 0s 4ms/step
>32, 56/390, d1=0.664, d2=0.647, g=0.912
2/2 [==============================] - 0s 4ms/step
>32, 57/390, d1=0.679, d2=0.607, g=0.963
2/2 [==============================] - 0s 4ms/step
>32, 58/390, d1=0.756, d2=0.635, g=0.982
2/2 [==============================] - 0s 4ms/step
>32, 59/390, d1=0.683, d2=0.580, g=1.042
2/2 [==============================] - 0s 4ms/step
>32, 60/390, d1=0.769, d2=0.578, g=1.047
2/2 [==============================] - 0s 4ms/step
>32, 61/390, d1=0.651, d2=0.559, g=0.940
2/2 [==============================] - 0s 3ms/step
>32, 62/390, d1=0.683, d2=0.592, g=0.944
2/2 [==============================] - 0s 4ms/step
>32, 63/390, d1=0.623, d2=0.615, g=0.922
2/2 [==============================] - 0s 4ms/step
>32, 64/390, d1=0.611, d2=0.582, g=0.887
2/2 [==============================] - 0s 4ms/step
>32, 65/390, d1=0.586, d2=0.628, g=0.861
2/2 [==============================] - 0s 4ms/step
>32, 66/390, d1=0.577, d2=0.681, g=0.869
2/2 [==============================] - 0s 4ms/step
>32, 67/390, d1=0.612, d2=0.769, g=0.878
2/2 [==============================] - 0s 4ms/step
>32, 68/390, d1=0.613, d2=0.719, g=0.846
2/2 [==============================] - 0s 4ms/step
>32, 69/390, d1=0.644, d2=0.629, g=0.863
2/2 [==============================] - 0s 4ms/step
>32, 70/390, d1=0.615, d2=0.688, g=0.828
2/2 [==============================] - 0s 4ms/step
>32, 71/390, d1=0.702, d2=0.740, g=0.829
2/2 [==============================] - 0s 4ms/step
>32, 72/390, d1=0.591, d2=0.683, g=0.862
2/2 [==============================] - 0s 4ms/step
```

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>32, 73/390, d1=0.660, d2=0.584, g=0.870
2/2 [==============================] - 0s 4ms/step
>32, 74/390, d1=0.629, d2=0.643, g=0.946
2/2 [==============================] - 0s 4ms/step
>32, 75/390, d1=0.548, d2=0.674, g=0.936
2/2 [==============================] - 0s 4ms/step
>32, 76/390, d1=0.523, d2=0.597, g=0.999
2/2 [==============================] - 0s 4ms/step
>32, 77/390, d1=0.537, d2=0.598, g=0.981
2/2 [==============================] - 0s 4ms/step
>32, 78/390, d1=0.617, d2=0.613, g=0.991
2/2 [==============================] - 0s 3ms/step
>32, 79/390, d1=0.615, d2=0.687, g=1.009
2/2 [==============================] - 0s 3ms/step
>32, 80/390, d1=0.649, d2=0.595, g=0.961
2/2 [==============================] - 0s 4ms/step
>32, 81/390, d1=0.715, d2=0.624, g=0.955
2/2 [==============================] - 0s 4ms/step
>32, 82/390, d1=0.738, d2=0.597, g=0.953
2/2 [==============================] - 0s 4ms/step
>32, 83/390, d1=0.687, d2=0.607, g=1.058
2/2 [==============================] - 0s 4ms/step
>32, 84/390, d1=0.705, d2=0.653, g=1.006
2/2 [==============================] - 0s 4ms/step
>32, 85/390, d1=0.736, d2=0.613, g=0.921
2/2 [==============================] - 0s 4ms/step
>32, 86/390, d1=0.744, d2=0.613, g=0.952
2/2 [==============================] - 0s 4ms/step
>32, 87/390, d1=0.746, d2=0.877, g=0.913
2/2 [==============================] - 0s 4ms/step
>32, 88/390, d1=0.695, d2=0.623, g=0.944
2/2 [==============================] - 0s 4ms/step
>32, 89/390, d1=0.736, d2=0.561, g=1.025
2/2 [==============================] - 0s 3ms/step
>32, 90/390, d1=0.703, d2=0.572, g=1.012
2/2 [==============================] - 0s 4ms/step
>32, 91/390, d1=0.686, d2=0.553, g=0.946
2/2 [==============================] - 0s 3ms/step
>32, 92/390, d1=0.761, d2=0.602, g=0.898
2/2 [==============================] - 0s 4ms/step
>32, 93/390, d1=0.668, d2=0.654, g=0.921
2/2 [==============================] - 0s 4ms/step
>32, 94/390, d1=0.682, d2=0.688, g=0.873
2/2 [==============================] - 0s 4ms/step
>32, 95/390, d1=0.673, d2=0.636, g=0.881
2/2 [==============================] - 0s 4ms/step
>32, 96/390, d1=0.684, d2=0.626, g=0.970
2/2 [==============================] - 0s 4ms/step
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>32, 97/390, d1=0.699, d2=0.572, g=0.976
2/2 [==============================] - 0s 4ms/step
>32, 98/390, d1=0.704, d2=0.611, g=0.983
2/2 [==============================] - 0s 4ms/step
>32, 99/390, d1=0.642, d2=0.640, g=0.988
2/2 [==============================] - 0s 4ms/step
>32, 100/390, d1=0.662, d2=0.559, g=0.947
2/2 [==============================] - 0s 4ms/step
>32, 101/390, d1=0.656, d2=0.614, g=0.908
2/2 [==============================] - 0s 4ms/step
>32, 102/390, d1=0.606, d2=0.651, g=0.848
2/2 [==============================] - 0s 4ms/step
>32, 103/390, d1=0.600, d2=0.717, g=0.881
2/2 [==============================] - 0s 4ms/step
>32, 104/390, d1=0.561, d2=0.852, g=0.952
2/2 [==============================] - 0s 4ms/step
>32, 105/390, d1=0.627, d2=0.584, g=0.960
2/2 [==============================] - 0s 5ms/step
>32, 106/390, d1=0.667, d2=0.561, g=0.966
2/2 [==============================] - 0s 4ms/step
>32, 107/390, d1=0.675, d2=0.554, g=0.942
2/2 [==============================] - 0s 4ms/step
>32, 108/390, d1=0.716, d2=0.558, g=0.945
2/2 [==============================] - 0s 4ms/step
>32, 109/390, d1=0.633, d2=0.547, g=0.936
2/2 [==============================] - 0s 4ms/step
>32, 110/390, d1=0.582, d2=0.598, g=0.916
2/2 [==============================] - 0s 4ms/step
>32, 111/390, d1=0.597, d2=0.577, g=0.910
2/2 [==============================] - 0s 4ms/step
>32, 112/390, d1=0.549, d2=0.667, g=0.863
2/2 [==============================] - 0s 4ms/step
>32, 113/390, d1=0.582, d2=0.633, g=0.857
2/2 [==============================] - 0s 4ms/step
>32, 114/390, d1=0.606, d2=0.702, g=0.818
2/2 [==============================] - 0s 4ms/step
>32, 115/390, d1=0.679, d2=0.676, g=0.838
2/2 [==============================] - 0s 4ms/step
>32, 116/390, d1=0.583, d2=0.807, g=0.865
2/2 [==============================] - 0s 4ms/step
>32, 117/390, d1=0.617, d2=0.726, g=0.909
2/2 [==============================] - 0s 4ms/step
>32, 118/390, d1=0.745, d2=0.702, g=0.935
2/2 [==============================] - 0s 4ms/step
>32, 119/390, d1=0.729, d2=0.635, g=0.954
2/2 [==============================] - 0s 5ms/step
>32, 120/390, d1=0.712, d2=0.584, g=0.961
2/2 [==============================] - 0s 4ms/step
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>32, 121/390, d1=0.657, d2=0.603, g=0.931
2/2 [==============================] - 0s 4ms/step
>32, 122/390, d1=0.710, d2=0.621, g=0.941
2/2 [==============================] - 0s 4ms/step
>32, 123/390, d1=0.648, d2=0.598, g=0.946
2/2 [==============================] - 0s 4ms/step
>32, 124/390, d1=0.610, d2=0.616, g=1.031
2/2 [==============================] - 0s 4ms/step
>32, 125/390, d1=0.644, d2=0.637, g=0.931
2/2 [==============================] - 0s 4ms/step
>32, 126/390, d1=0.581, d2=0.720, g=0.927
2/2 [==============================] - 0s 4ms/step
>32, 127/390, d1=0.639, d2=0.684, g=0.968
2/2 [==============================] - 0s 4ms/step
>32, 128/390, d1=0.677, d2=0.586, g=0.942
2/2 [==============================] - 0s 3ms/step
>32, 129/390, d1=0.738, d2=0.618, g=0.888
2/2 [==============================] - 0s 4ms/step
>32, 130/390, d1=0.628, d2=0.674, g=0.930
2/2 [==============================] - 0s 4ms/step
>32, 131/390, d1=0.633, d2=0.557, g=0.926
2/2 [==============================] - 0s 4ms/step
>32, 132/390, d1=0.654, d2=0.683, g=0.909
2/2 [==============================] - 0s 4ms/step
>32, 133/390, d1=0.663, d2=0.559, g=0.913
2/2 [==============================] - 0s 4ms/step
>32, 134/390, d1=0.588, d2=0.653, g=0.960
2/2 [==============================] - 0s 4ms/step
>32, 135/390, d1=0.598, d2=0.623, g=0.965
2/2 [==============================] - 0s 4ms/step
>32, 136/390, d1=0.701, d2=0.593, g=0.940
2/2 [==============================] - 0s 4ms/step
>32, 137/390, d1=0.644, d2=0.711, g=0.928
2/2 [==============================] - 0s 4ms/step
>32, 138/390, d1=0.666, d2=0.678, g=0.924
2/2 [==============================] - 0s 4ms/step
>32, 139/390, d1=0.694, d2=0.656, g=0.876
2/2 [==============================] - 0s 4ms/step
>32, 140/390, d1=0.802, d2=0.682, g=0.858
2/2 [==============================] - 0s 4ms/step
>32, 141/390, d1=0.788, d2=0.666, g=0.837
2/2 [==============================] - 0s 4ms/step
>32, 142/390, d1=0.722, d2=0.656, g=0.840
2/2 [==============================] - 0s 4ms/step
>32, 143/390, d1=0.614, d2=0.697, g=0.788
2/2 [==============================] - 0s 5ms/step
>32, 144/390, d1=0.647, d2=0.812, g=0.781
2/2 [==============================] - 0s 4ms/step
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>32, 145/390, d1=0.595, d2=0.699, g=0.821
2/2 [==============================] - 0s 4ms/step
>32, 146/390, d1=0.654, d2=0.665, g=0.841
2/2 [==============================] - 0s 4ms/step
>32, 147/390, d1=0.671, d2=0.642, g=0.862
2/2 [==============================] - 0s 4ms/step
>32, 148/390, d1=0.646, d2=0.592, g=0.922
2/2 [==============================] - 0s 4ms/step
>32, 149/390, d1=0.643, d2=0.618, g=0.887
2/2 [==============================] - 0s 4ms/step
>32, 150/390, d1=0.618, d2=0.640, g=0.900
2/2 [==============================] - 0s 4ms/step
>32, 151/390, d1=0.690, d2=0.683, g=0.849
2/2 [==============================] - 0s 4ms/step
>32, 152/390, d1=0.696, d2=0.675, g=0.828
2/2 [==============================] - 0s 4ms/step
>32, 153/390, d1=0.646, d2=0.633, g=0.936
2/2 [==============================] - 0s 4ms/step
>32, 154/390, d1=0.619, d2=0.620, g=0.967
2/2 [==============================] - 0s 5ms/step
>32, 155/390, d1=0.647, d2=0.635, g=0.986
2/2 [==============================] - 0s 4ms/step
>32, 156/390, d1=0.730, d2=0.578, g=0.966
2/2 [==============================] - 0s 4ms/step
>32, 157/390, d1=0.739, d2=0.570, g=0.939
2/2 [==============================] - 0s 4ms/step
>32, 158/390, d1=0.697, d2=0.631, g=0.878
2/2 [==============================] - 0s 4ms/step
>32, 159/390, d1=0.605, d2=0.658, g=0.894
2/2 [==============================] - 0s 4ms/step
>32, 160/390, d1=0.633, d2=0.700, g=0.847
2/2 [==============================] - 0s 4ms/step
>32, 161/390, d1=0.656, d2=0.672, g=0.862
2/2 [==============================] - 0s 4ms/step
>32, 162/390, d1=0.694, d2=0.628, g=0.885
2/2 [==============================] - 0s 3ms/step
>32, 163/390, d1=0.710, d2=0.610, g=0.866
2/2 [==============================] - 0s 3ms/step
>32, 164/390, d1=0.715, d2=0.673, g=0.881
2/2 [==============================] - 0s 3ms/step
>32, 165/390, d1=0.708, d2=0.590, g=0.881
2/2 [==============================] - 0s 4ms/step
>32, 166/390, d1=0.679, d2=0.673, g=0.923
2/2 [==============================] - 0s 4ms/step
>32, 167/390, d1=0.644, d2=0.611, g=0.867
2/2 [==============================] - 0s 4ms/step
>32, 168/390, d1=0.623, d2=0.599, g=0.884
2/2 [==============================] - 0s 4ms/step
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>32, 169/390, d1=0.551, d2=0.614, g=0.907
2/2 [==============================] - 0s 4ms/step
>32, 170/390, d1=0.571, d2=0.585, g=0.925
2/2 [==============================] - 0s 4ms/step
>32, 171/390, d1=0.492, d2=0.630, g=0.880
2/2 [==============================] - 0s 4ms/step
>32, 172/390, d1=0.450, d2=0.858, g=0.839
2/2 [==============================] - 0s 4ms/step
>32, 173/390, d1=0.454, d2=0.831, g=0.870
2/2 [==============================] - 0s 4ms/step
>32, 174/390, d1=0.602, d2=0.679, g=0.855
2/2 [==============================] - 0s 4ms/step
>32, 175/390, d1=0.734, d2=0.691, g=0.912
2/2 [==============================] - 0s 4ms/step
>32, 176/390, d1=0.717, d2=0.596, g=0.944
2/2 [==============================] - 0s 4ms/step
>32, 177/390, d1=0.732, d2=0.618, g=0.965
2/2 [==============================] - 0s 4ms/step
>32, 178/390, d1=0.775, d2=0.626, g=0.962
2/2 [==============================] - 0s 4ms/step
>32, 179/390, d1=0.727, d2=0.628, g=0.981
2/2 [==============================] - 0s 4ms/step
>32, 180/390, d1=0.730, d2=0.627, g=0.986
2/2 [==============================] - 0s 4ms/step
>32, 181/390, d1=0.750, d2=0.557, g=0.977
2/2 [==============================] - 0s 4ms/step
>32, 182/390, d1=0.656, d2=0.584, g=0.965
2/2 [==============================] - 0s 4ms/step
>32, 183/390, d1=0.685, d2=0.577, g=0.917
2/2 [==============================] - 0s 4ms/step
>32, 184/390, d1=0.672, d2=0.618, g=0.914
2/2 [==============================] - 0s 4ms/step
>32, 185/390, d1=0.730, d2=0.609, g=0.860
2/2 [==============================] - 0s 4ms/step
>32, 186/390, d1=0.674, d2=0.723, g=0.851
2/2 [==============================] - 0s 4ms/step
>32, 187/390, d1=0.690, d2=0.672, g=0.848
2/2 [==============================] - 0s 4ms/step
>32, 188/390, d1=0.601, d2=0.653, g=0.870
2/2 [==============================] - 0s 3ms/step
>32, 189/390, d1=0.660, d2=0.699, g=0.905
2/2 [==============================] - 0s 4ms/step
>32, 190/390, d1=0.691, d2=0.703, g=0.886
2/2 [==============================] - 0s 4ms/step
>32, 191/390, d1=0.739, d2=0.671, g=0.900
2/2 [==============================] - 0s 4ms/step
>32, 192/390, d1=0.682, d2=0.586, g=0.878
2/2 [==============================] - 0s 4ms/step
```

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>32, 193/390, d1=0.712, d2=0.600, g=0.852
2/2 [==============================] - 0s 4ms/step
>32, 194/390, d1=0.649, d2=0.655, g=0.849
2/2 [==============================] - 0s 4ms/step
>32, 195/390, d1=0.653, d2=0.645, g=0.851
2/2 [==============================] - 0s 4ms/step
>32, 196/390, d1=0.682, d2=0.653, g=0.823
2/2 [==============================] - 0s 4ms/step
>32, 197/390, d1=0.642, d2=0.673, g=0.806
2/2 [==============================] - 0s 4ms/step
>32, 198/390, d1=0.632, d2=0.668, g=0.867
2/2 [==============================] - 0s 4ms/step
>32, 199/390, d1=0.740, d2=0.695, g=0.893
2/2 [==============================] - 0s 4ms/step
>32, 200/390, d1=0.633, d2=0.562, g=0.941
2/2 [==============================] - 0s 4ms/step
>32, 201/390, d1=0.736, d2=0.605, g=0.898
2/2 [==============================] - 0s 4ms/step
>32, 202/390, d1=0.644, d2=0.647, g=0.919
2/2 [==============================] - 0s 5ms/step
>32, 203/390, d1=0.678, d2=0.639, g=0.971
2/2 [==============================] - 0s 4ms/step
>32, 204/390, d1=0.698, d2=0.641, g=0.948
2/2 [==============================] - 0s 4ms/step
>32, 205/390, d1=0.696, d2=0.640, g=0.952
2/2 [==============================] - 0s 4ms/step
>32, 206/390, d1=0.719, d2=0.658, g=0.906
2/2 [==============================] - 0s 4ms/step
>32, 207/390, d1=0.628, d2=0.587, g=0.894
2/2 [==============================] - 0s 4ms/step
>32, 208/390, d1=0.644, d2=0.662, g=0.855
2/2 [==============================] - 0s 4ms/step
>32, 209/390, d1=0.680, d2=0.681, g=0.906
2/2 [==============================] - 0s 4ms/step
>32, 210/390, d1=0.634, d2=0.632, g=0.916
2/2 [==============================] - 0s 4ms/step
>32, 211/390, d1=0.742, d2=0.560, g=0.967
2/2 [==============================] - 0s 4ms/step
>32, 212/390, d1=0.677, d2=0.598, g=0.938
2/2 [==============================] - 0s 4ms/step
>32, 213/390, d1=0.648, d2=0.667, g=0.897
2/2 [==============================] - 0s 3ms/step
>32, 214/390, d1=0.653, d2=0.669, g=0.884
2/2 [==============================] - 0s 4ms/step
>32, 215/390, d1=0.638, d2=0.660, g=0.852
2/2 [==============================] - 0s 4ms/step
>32, 216/390, d1=0.671, d2=0.687, g=0.851
2/2 [==============================] - 0s 4ms/step
```

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>32, 217/390, d1=0.687, d2=0.696, g=0.843
2/2 [==============================] - 0s 4ms/step
>32, 218/390, d1=0.707, d2=0.669, g=0.943
2/2 [==============================] - 0s 4ms/step
>32, 219/390, d1=0.690, d2=0.580, g=0.949
2/2 [==============================] - 0s 3ms/step
>32, 220/390, d1=0.722, d2=0.576, g=0.912
2/2 [==============================] - 0s 4ms/step
>32, 221/390, d1=0.690, d2=0.574, g=0.931
2/2 [==============================] - 0s 4ms/step
>32, 222/390, d1=0.617, d2=0.571, g=0.998
2/2 [==============================] - 0s 4ms/step
>32, 223/390, d1=0.645, d2=0.547, g=1.005
2/2 [==============================] - 0s 4ms/step
>32, 224/390, d1=0.728, d2=0.563, g=0.960
2/2 [==============================] - 0s 4ms/step
>32, 225/390, d1=0.639, d2=0.548, g=0.892
2/2 [==============================] - 0s 4ms/step
>32, 226/390, d1=0.583, d2=0.778, g=0.874
2/2 [==============================] - 0s 4ms/step
>32, 227/390, d1=0.641, d2=0.651, g=0.943
2/2 [==============================] - 0s 4ms/step
>32, 228/390, d1=0.717, d2=0.693, g=0.825
2/2 [==============================] - 0s 4ms/step
>32, 229/390, d1=0.694, d2=0.678, g=0.826
2/2 [==============================] - 0s 4ms/step
>32, 230/390, d1=0.679, d2=0.723, g=0.816
2/2 [==============================] - 0s 4ms/step
>32, 231/390, d1=0.673, d2=0.681, g=0.747
2/2 [==============================] - 0s 4ms/step
>32, 232/390, d1=0.649, d2=0.714, g=0.781
2/2 [==============================] - 0s 4ms/step
>32, 233/390, d1=0.637, d2=0.712, g=0.798
2/2 [==============================] - 0s 4ms/step
>32, 234/390, d1=0.639, d2=0.669, g=0.788
2/2 [==============================] - 0s 4ms/step
>32, 235/390, d1=0.521, d2=0.682, g=0.771
2/2 [==============================] - 0s 4ms/step
>32, 236/390, d1=0.509, d2=0.746, g=0.827
2/2 [==============================] - 0s 4ms/step
>32, 237/390, d1=0.563, d2=0.668, g=0.925
2/2 [==============================] - 0s 4ms/step
>32, 238/390, d1=0.610, d2=0.577, g=0.908
2/2 [==============================] - 0s 4ms/step
>32, 239/390, d1=0.624, d2=0.652, g=0.955
2/2 [==============================] - 0s 4ms/step
>32, 240/390, d1=0.618, d2=0.635, g=0.864
2/2 [==============================] - 0s 4ms/step
```

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>32, 241/390, d1=0.616, d2=0.669, g=0.887
2/2 [==============================] - 0s 4ms/step
>32, 242/390, d1=0.676, d2=0.794, g=0.967
2/2 [==============================] - 0s 4ms/step
>32, 243/390, d1=0.665, d2=0.696, g=0.976
2/2 [==============================] - 0s 3ms/step
>32, 244/390, d1=0.709, d2=0.532, g=1.021
2/2 [==============================] - 0s 3ms/step
>32, 245/390, d1=0.726, d2=0.546, g=0.950
2/2 [==============================] - 0s 4ms/step
>32, 246/390, d1=0.652, d2=0.530, g=0.970
2/2 [==============================] - 0s 4ms/step
>32, 247/390, d1=0.628, d2=0.757, g=0.956
2/2 [==============================] - 0s 4ms/step
>32, 248/390, d1=0.632, d2=0.638, g=0.867
2/2 [==============================] - 0s 4ms/step
>32, 249/390, d1=0.679, d2=0.711, g=0.892
2/2 [==============================] - 0s 4ms/step
>32, 250/390, d1=0.646, d2=0.661, g=0.841
2/2 [==============================] - 0s 4ms/step
>32, 251/390, d1=0.615, d2=0.691, g=0.815
2/2 [==============================] - 0s 4ms/step
>32, 252/390, d1=0.686, d2=0.744, g=0.860
2/2 [==============================] - 0s 4ms/step
>32, 253/390, d1=0.757, d2=0.673, g=0.903
2/2 [==============================] - 0s 4ms/step
>32, 254/390, d1=0.698, d2=0.606, g=0.900
2/2 [==============================] - 0s 4ms/step
>32, 255/390, d1=0.654, d2=0.634, g=0.900
2/2 [==============================] - 0s 4ms/step
>32, 256/390, d1=0.643, d2=0.708, g=0.904
2/2 [==============================] - 0s 4ms/step
>32, 257/390, d1=0.674, d2=0.656, g=0.975
2/2 [==============================] - 0s 4ms/step
>32, 258/390, d1=0.635, d2=0.534, g=0.971
2/2 [==============================] - 0s 4ms/step
>32, 259/390, d1=0.633, d2=0.557, g=0.905
2/2 [==============================] - 0s 4ms/step
>32, 260/390, d1=0.637, d2=0.767, g=0.922
2/2 [==============================] - 0s 4ms/step
>32, 261/390, d1=0.652, d2=0.630, g=0.925
2/2 [==============================] - 0s 4ms/step
>32, 262/390, d1=0.695, d2=0.664, g=0.911
2/2 [==============================] - 0s 4ms/step
>32, 263/390, d1=0.705, d2=0.670, g=0.916
2/2 [==============================] - 0s 4ms/step
>32, 264/390, d1=0.708, d2=0.589, g=0.919
2/2 [==============================] - 0s 4ms/step
```

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>32, 265/390, d1=0.612, d2=0.599, g=0.860
2/2 [==============================] - 0s 4ms/step
>32, 266/390, d1=0.654, d2=0.657, g=0.892
2/2 [==============================] - 0s 4ms/step
>32, 267/390, d1=0.594, d2=0.687, g=0.874
2/2 [==============================] - 0s 4ms/step
>32, 268/390, d1=0.579, d2=0.697, g=0.872
2/2 [==============================] - 0s 4ms/step
>32, 269/390, d1=0.636, d2=0.636, g=0.901
2/2 [==============================] - 0s 4ms/step
>32, 270/390, d1=0.684, d2=0.654, g=0.901
2/2 [==============================] - 0s 4ms/step
>32, 271/390, d1=0.654, d2=0.616, g=0.838
2/2 [==============================] - 0s 4ms/step
>32, 272/390, d1=0.670, d2=0.603, g=0.882
2/2 [==============================] - 0s 3ms/step
>32, 273/390, d1=0.645, d2=0.613, g=0.878
2/2 [==============================] - 0s 4ms/step
>32, 274/390, d1=0.686, d2=0.608, g=0.881
2/2 [==============================] - 0s 3ms/step
>32, 275/390, d1=0.572, d2=0.642, g=0.876
2/2 [==============================] - 0s 4ms/step
>32, 276/390, d1=0.598, d2=0.667, g=0.881
2/2 [==============================] - 0s 4ms/step
>32, 277/390, d1=0.635, d2=0.653, g=0.909
2/2 [==============================] - 0s 4ms/step
>32, 278/390, d1=0.614, d2=0.636, g=0.881
2/2 [==============================] - 0s 4ms/step
>32, 279/390, d1=0.664, d2=0.664, g=0.887
2/2 [==============================] - 0s 4ms/step
>32, 280/390, d1=0.681, d2=0.658, g=0.876
2/2 [==============================] - 0s 4ms/step
>32, 281/390, d1=0.653, d2=0.691, g=0.902
2/2 [==============================] - 0s 4ms/step
>32, 282/390, d1=0.708, d2=0.582, g=0.899
2/2 [==============================] - 0s 4ms/step
>32, 283/390, d1=0.688, d2=0.611, g=0.880
2/2 [==============================] - 0s 3ms/step
>32, 284/390, d1=0.622, d2=0.622, g=0.950
2/2 [==============================] - 0s 4ms/step
>32, 285/390, d1=0.653, d2=0.730, g=0.970
2/2 [==============================] - 0s 4ms/step
>32, 286/390, d1=0.694, d2=0.567, g=1.031
2/2 [==============================] - 0s 4ms/step
>32, 287/390, d1=0.736, d2=0.600, g=0.959
2/2 [==============================] - 0s 4ms/step
>32, 288/390, d1=0.824, d2=0.650, g=0.915
2/2 [==============================] - 0s 4ms/step
```

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>32, 289/390, d1=0.736, d2=0.668, g=0.860
2/2 [==============================] - 0s 4ms/step
>32, 290/390, d1=0.659, d2=0.642, g=0.864
2/2 [==============================] - 0s 5ms/step
>32, 291/390, d1=0.641, d2=0.669, g=0.854
2/2 [==============================] - 0s 4ms/step
>32, 292/390, d1=0.636, d2=0.643, g=0.825
2/2 [==============================] - 0s 4ms/step
>32, 293/390, d1=0.672, d2=0.650, g=0.851
2/2 [==============================] - 0s 4ms/step
>32, 294/390, d1=0.674, d2=0.643, g=0.827
2/2 [==============================] - 0s 3ms/step
>32, 295/390, d1=0.605, d2=0.733, g=0.892
2/2 [==============================] - 0s 4ms/step
>32, 296/390, d1=0.615, d2=0.656, g=0.893
2/2 [==============================] - 0s 4ms/step
>32, 297/390, d1=0.586, d2=0.684, g=0.868
2/2 [==============================] - 0s 4ms/step
>32, 298/390, d1=0.674, d2=0.646, g=0.890
2/2 [==============================] - 0s 4ms/step
>32, 299/390, d1=0.621, d2=0.652, g=0.932
2/2 [==============================] - 0s 4ms/step
>32, 300/390, d1=0.642, d2=0.607, g=0.898
2/2 [==============================] - 0s 4ms/step
>32, 301/390, d1=0.566, d2=0.696, g=0.869
2/2 [==============================] - 0s 4ms/step
>32, 302/390, d1=0.611, d2=0.593, g=0.907
2/2 [==============================] - 0s 5ms/step
>32, 303/390, d1=0.688, d2=0.634, g=0.910
2/2 [==============================] - 0s 4ms/step
>32, 304/390, d1=0.663, d2=0.579, g=0.936
2/2 [==============================] - 0s 4ms/step
>32, 305/390, d1=0.574, d2=0.635, g=0.900
2/2 [==============================] - 0s 5ms/step
>32, 306/390, d1=0.623, d2=0.611, g=0.889
2/2 [==============================] - 0s 4ms/step
>32, 307/390, d1=0.594, d2=0.593, g=0.876
2/2 [==============================] - 0s 4ms/step
>32, 308/390, d1=0.571, d2=0.719, g=0.812
2/2 [==============================] - 0s 4ms/step
>32, 309/390, d1=0.650, d2=0.723, g=0.842
2/2 [==============================] - 0s 4ms/step
>32, 310/390, d1=0.705, d2=0.638, g=0.813
2/2 [==============================] - 0s 4ms/step
>32, 311/390, d1=0.654, d2=0.684, g=0.841
2/2 [==============================] - 0s 5ms/step
>32, 312/390, d1=0.629, d2=0.683, g=0.829
2/2 [==============================] - 0s 4ms/step
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>32, 313/390, d1=0.665, d2=0.698, g=0.830
2/2 [==============================] - 0s 4ms/step
>32, 314/390, d1=0.678, d2=0.654, g=0.880
2/2 [==============================] - 0s 4ms/step
>32, 315/390, d1=0.688, d2=0.623, g=0.919
2/2 [==============================] - 0s 4ms/step
>32, 316/390, d1=0.671, d2=0.579, g=0.950
2/2 [==============================] - 0s 4ms/step
>32, 317/390, d1=0.711, d2=0.602, g=0.933
2/2 [==============================] - 0s 4ms/step
>32, 318/390, d1=0.682, d2=0.632, g=0.936
2/2 [==============================] - 0s 4ms/step
>32, 319/390, d1=0.679, d2=0.572, g=0.974
2/2 [==============================] - 0s 4ms/step
>32, 320/390, d1=0.628, d2=0.577, g=0.931
2/2 [==============================] - 0s 4ms/step
>32, 321/390, d1=0.617, d2=0.644, g=0.981
2/2 [==============================] - 0s 3ms/step
>32, 322/390, d1=0.637, d2=0.584, g=0.985
2/2 [==============================] - 0s 4ms/step
>32, 323/390, d1=0.710, d2=0.529, g=0.954
2/2 [==============================] - 0s 4ms/step
>32, 324/390, d1=0.766, d2=0.585, g=0.929
2/2 [==============================] - 0s 4ms/step
>32, 325/390, d1=0.644, d2=0.658, g=0.866
2/2 [==============================] - 0s 4ms/step
>32, 326/390, d1=0.635, d2=0.595, g=0.845
2/2 [==============================] - 0s 4ms/step
>32, 327/390, d1=0.660, d2=0.772, g=0.893
2/2 [==============================] - 0s 4ms/step
>32, 328/390, d1=0.623, d2=0.731, g=0.930
2/2 [==============================] - 0s 3ms/step
>32, 329/390, d1=0.716, d2=0.566, g=0.954
2/2 [==============================] - 0s 3ms/step
>32, 330/390, d1=0.715, d2=0.566, g=0.962
2/2 [==============================] - 0s 4ms/step
>32, 331/390, d1=0.695, d2=0.607, g=0.901
2/2 [==============================] - 0s 4ms/step
>32, 332/390, d1=0.658, d2=0.633, g=0.948
2/2 [==============================] - 0s 4ms/step
>32, 333/390, d1=0.659, d2=0.612, g=0.939
2/2 [==============================] - 0s 4ms/step
>32, 334/390, d1=0.667, d2=0.662, g=0.869
2/2 [==============================] - 0s 4ms/step
>32, 335/390, d1=0.711, d2=0.710, g=0.884
2/2 [==============================] - 0s 4ms/step
>32, 336/390, d1=0.684, d2=0.609, g=0.901
2/2 [==============================] - 0s 4ms/step
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>32, 337/390, d1=0.661, d2=0.620, g=0.848
2/2 [==============================] - 0s 4ms/step
>32, 338/390, d1=0.687, d2=0.662, g=0.883
2/2 [==============================] - 0s 4ms/step
>32, 339/390, d1=0.607, d2=0.665, g=0.933
2/2 [==============================] - 0s 4ms/step
>32, 340/390, d1=0.602, d2=0.644, g=0.966
2/2 [==============================] - 0s 4ms/step
>32, 341/390, d1=0.598, d2=0.596, g=0.991
2/2 [==============================] - 0s 4ms/step
>32, 342/390, d1=0.623, d2=0.550, g=0.938
2/2 [==============================] - 0s 4ms/step
>32, 343/390, d1=0.623, d2=0.549, g=0.895
2/2 [==============================] - 0s 4ms/step
>32, 344/390, d1=0.604, d2=0.658, g=0.884
2/2 [==============================] - 0s 4ms/step
>32, 345/390, d1=0.583, d2=0.721, g=0.918
2/2 [==============================] - 0s 4ms/step
>32, 346/390, d1=0.621, d2=0.644, g=0.945
2/2 [==============================] - 0s 4ms/step
>32, 347/390, d1=0.627, d2=0.663, g=0.975
2/2 [==============================] - 0s 4ms/step
>32, 348/390, d1=0.659, d2=0.580, g=0.979
2/2 [==============================] - 0s 4ms/step
>32, 349/390, d1=0.700, d2=0.628, g=0.886
2/2 [==============================] - 0s 4ms/step
>32, 350/390, d1=0.631, d2=0.668, g=0.920
2/2 [==============================] - 0s 4ms/step
>32, 351/390, d1=0.649, d2=0.653, g=0.945
2/2 [==============================] - 0s 4ms/step
>32, 352/390, d1=0.716, d2=0.589, g=0.929
2/2 [==============================] - 0s 4ms/step
>32, 353/390, d1=0.699, d2=0.659, g=0.935
2/2 [==============================] - 0s 4ms/step
>32, 354/390, d1=0.685, d2=0.614, g=0.855
2/2 [==============================] - 0s 4ms/step
>32, 355/390, d1=0.731, d2=0.617, g=0.916
2/2 [==============================] - 0s 4ms/step
>32, 356/390, d1=0.700, d2=0.587, g=0.935
2/2 [==============================] - 0s 4ms/step
>32, 357/390, d1=0.747, d2=0.596, g=0.926
2/2 [==============================] - 0s 4ms/step
>32, 358/390, d1=0.686, d2=0.622, g=0.934
2/2 [==============================] - 0s 4ms/step
>32, 359/390, d1=0.663, d2=0.576, g=0.942
2/2 [==============================] - 0s 4ms/step
>32, 360/390, d1=0.703, d2=0.578, g=0.902
2/2 [==============================] - 0s 4ms/step
```

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>32, 361/390, d1=0.727, d2=0.616, g=0.920
2/2 [==============================] - 0s 4ms/step
>32, 362/390, d1=0.673, d2=0.650, g=0.893
2/2 [==============================] - 0s 4ms/step
>32, 363/390, d1=0.731, d2=0.618, g=0.897
2/2 [==============================] - 0s 4ms/step
>32, 364/390, d1=0.674, d2=0.723, g=0.870
2/2 [==============================] - 0s 4ms/step
>32, 365/390, d1=0.698, d2=0.756, g=0.861
2/2 [==============================] - 0s 4ms/step
>32, 366/390, d1=0.725, d2=0.651, g=0.832
2/2 [==============================] - 0s 4ms/step
>32, 367/390, d1=0.665, d2=0.698, g=0.820
2/2 [==============================] - 0s 4ms/step
>32, 368/390, d1=0.643, d2=0.675, g=0.824
2/2 [==============================] - 0s 4ms/step
>32, 369/390, d1=0.676, d2=0.677, g=0.861
2/2 [==============================] - 0s 4ms/step
>32, 370/390, d1=0.677, d2=0.660, g=0.856
2/2 [==============================] - 0s 4ms/step
>32, 371/390, d1=0.685, d2=0.658, g=0.871
2/2 [==============================] - 0s 4ms/step
>32, 372/390, d1=0.660, d2=0.623, g=0.850
2/2 [==============================] - 0s 4ms/step
>32, 373/390, d1=0.550, d2=0.668, g=0.841
2/2 [==============================] - 0s 4ms/step
>32, 374/390, d1=0.527, d2=0.687, g=0.870
2/2 [==============================] - 0s 4ms/step
>32, 375/390, d1=0.554, d2=0.620, g=0.836
2/2 [==============================] - 0s 4ms/step
>32, 376/390, d1=0.510, d2=0.698, g=0.888
2/2 [==============================] - 0s 4ms/step
>32, 377/390, d1=0.535, d2=0.788, g=0.859
2/2 [==============================] - 0s 4ms/step
>32, 378/390, d1=0.504, d2=0.702, g=0.910
2/2 [==============================] - 0s 4ms/step
>32, 379/390, d1=0.558, d2=0.707, g=0.960
2/2 [==============================] - 0s 4ms/step
>32, 380/390, d1=0.652, d2=0.612, g=0.945
2/2 [==============================] - 0s 3ms/step
>32, 381/390, d1=0.770, d2=0.579, g=0.995
2/2 [==============================] - 0s 4ms/step
>32, 382/390, d1=0.779, d2=0.578, g=0.998
2/2 [==============================] - 0s 4ms/step
>32, 383/390, d1=0.690, d2=0.538, g=1.018
2/2 [==============================] - 0s 4ms/step
>32, 384/390, d1=0.667, d2=0.518, g=1.045
2/2 [==============================] - 0s 3ms/step
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>32, 385/390, d1=0.568, d2=0.655, g=1.001
2/2 [==============================] - 0s 4ms/step
>32, 386/390, d1=0.689, d2=0.577, g=1.002
2/2 [==============================] - 0s 4ms/step
>32, 387/390, d1=0.670, d2=0.611, g=0.970
2/2 [==============================] - 0s 4ms/step
>32, 388/390, d1=0.650, d2=0.581, g=0.929
2/2 [==============================] - 0s 4ms/step
>32, 389/390, d1=0.627, d2=0.664, g=0.952
2/2 [==============================] - 0s 4ms/step
>32, 390/390, d1=0.621, d2=0.717, g=0.906
2/2 [==============================] - 0s 3ms/step
>34, 1/390, d1=0.694, d2=0.618, g=0.979
2/2 [==============================] - 0s 4ms/step
>34, 2/390, d1=0.693, d2=0.594, g=0.958
2/2 [==============================] - 0s 4ms/step
>34, 3/390, d1=0.693, d2=0.608, g=0.961
2/2 [==============================] - 0s 3ms/step
>34, 4/390, d1=0.717, d2=0.573, g=0.891
2/2 [==============================] - 0s 4ms/step
>34, 5/390, d1=0.582, d2=0.637, g=0.889
2/2 [==============================] - 0s 4ms/step
>34, 6/390, d1=0.608, d2=0.689, g=0.907
2/2 [==============================] - 0s 4ms/step
>34, 7/390, d1=0.693, d2=0.685, g=0.901
2/2 [==============================] - 0s 4ms/step
>34, 8/390, d1=0.650, d2=0.689, g=0.882
2/2 [==============================] - 0s 4ms/step
>34, 9/390, d1=0.677, d2=0.643, g=0.916
2/2 [==============================] - 0s 4ms/step
>34, 10/390, d1=0.695, d2=0.593, g=0.915
2/2 [==============================] - 0s 4ms/step
>34, 11/390, d1=0.694, d2=0.631, g=0.871
2/2 [==============================] - 0s 4ms/step
>34, 12/390, d1=0.659, d2=0.669, g=0.878
2/2 [==============================] - 0s 4ms/step
>34, 13/390, d1=0.669, d2=0.625, g=0.891
2/2 [==============================] - 0s 4ms/step
>34, 14/390, d1=0.630, d2=0.670, g=0.907
2/2 [==============================] - 0s 4ms/step
>34, 15/390, d1=0.675, d2=0.575, g=0.879
2/2 [==============================] - 0s 4ms/step
>34, 16/390, d1=0.687, d2=0.622, g=0.859
2/2 [==============================] - 0s 4ms/step
>34, 17/390, d1=0.659, d2=0.640, g=0.872
2/2 [==============================] - 0s 4ms/step
>34, 18/390, d1=0.593, d2=0.649, g=0.849
2/2 [==============================] - 0s 4ms/step
```

```
>34, 19/390, d1=0.578, d2=0.685, g=0.863
2/2 [==============================] - 0s 4ms/step
>34, 20/390, d1=0.620, d2=0.667, g=0.899
2/2 [==============================] - 0s 4ms/step
>34, 21/390, d1=0.649, d2=0.707, g=0.909
2/2 [==============================] - 0s 4ms/step
>34, 22/390, d1=0.574, d2=0.622, g=0.941
2/2 [==============================] - 0s 4ms/step
>34, 23/390, d1=0.654, d2=0.707, g=0.963
2/2 [==============================] - 0s 4ms/step
>34, 24/390, d1=0.751, d2=0.627, g=1.039
2/2 [==============================] - 0s 4ms/step
>34, 25/390, d1=0.806, d2=0.537, g=0.981
2/2 [==============================] - 0s 4ms/step
>34, 26/390, d1=0.787, d2=0.604, g=1.015
2/2 [==============================] - 0s 4ms/step
>34, 27/390, d1=0.769, d2=0.573, g=0.919
2/2 [==============================] - 0s 4ms/step
>34, 28/390, d1=0.778, d2=0.632, g=0.860
2/2 [==============================] - 0s 4ms/step
>34, 29/390, d1=0.736, d2=0.655, g=0.873
2/2 [==============================] - 0s 3ms/step
>34, 30/390, d1=0.656, d2=0.657, g=0.869
2/2 [==============================] - 0s 4ms/step
>34, 31/390, d1=0.690, d2=0.668, g=0.830
2/2 [==============================] - 0s 4ms/step
>34, 32/390, d1=0.667, d2=0.645, g=0.846
2/2 [==============================] - 0s 4ms/step
>34, 33/390, d1=0.666, d2=0.698, g=0.882
2/2 [==============================] - 0s 4ms/step
>34, 34/390, d1=0.633, d2=0.645, g=0.912
2/2 [==============================] - 0s 4ms/step
>34, 35/390, d1=0.683, d2=0.669, g=0.891
2/2 [==============================] - 0s 4ms/step
>34, 36/390, d1=0.660, d2=0.635, g=0.909
2/2 [==============================] - 0s 4ms/step
>34, 37/390, d1=0.676, d2=0.618, g=0.896
2/2 [==============================] - 0s 4ms/step
>34, 38/390, d1=0.644, d2=0.630, g=0.895
2/2 [==============================] - 0s 4ms/step
>34, 39/390, d1=0.691, d2=0.631, g=0.887
2/2 [==============================] - 0s 4ms/step
>34, 40/390, d1=0.645, d2=0.627, g=0.886
2/2 [==============================] - 0s 4ms/step
>34, 41/390, d1=0.615, d2=0.640, g=0.873
2/2 [==============================] - 0s 4ms/step
>34, 42/390, d1=0.623, d2=0.623, g=0.879
2/2 [==============================] - 0s 4ms/step
```

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>34, 43/390, d1=0.632, d2=0.713, g=0.962
2/2 [==============================] - 0s 4ms/step
>34, 44/390, d1=0.675, d2=0.584, g=0.890
2/2 [==============================] - 0s 3ms/step
>34, 45/390, d1=0.643, d2=0.633, g=0.844
2/2 [==============================] - 0s 5ms/step
>34, 46/390, d1=0.680, d2=0.639, g=0.845
2/2 [==============================] - 0s 4ms/step
>34, 47/390, d1=0.600, d2=0.676, g=0.798
2/2 [==============================] - 0s 3ms/step
>34, 48/390, d1=0.621, d2=0.653, g=0.919
2/2 [==============================] - 0s 4ms/step
>34, 49/390, d1=0.660, d2=0.608, g=0.904
2/2 [==============================] - 0s 4ms/step
>34, 50/390, d1=0.612, d2=0.615, g=0.950
2/2 [==============================] - 0s 4ms/step
>34, 51/390, d1=0.548, d2=0.621, g=0.947
2/2 [==============================] - 0s 4ms/step
>34, 52/390, d1=0.686, d2=0.600, g=0.991
2/2 [==============================] - 0s 4ms/step
>34, 53/390, d1=0.651, d2=0.554, g=0.988
2/2 [==============================] - 0s 4ms/step
>34, 54/390, d1=0.640, d2=0.596, g=0.972
2/2 [==============================] - 0s 4ms/step
>34, 55/390, d1=0.650, d2=0.666, g=0.864
2/2 [==============================] - 0s 4ms/step
>34, 56/390, d1=0.634, d2=0.796, g=0.854
2/2 [==============================] - 0s 4ms/step
>34, 57/390, d1=0.674, d2=0.784, g=0.822
2/2 [==============================] - 0s 3ms/step
>34, 58/390, d1=0.618, d2=0.675, g=0.934
2/2 [==============================] - 0s 3ms/step
>34, 59/390, d1=0.675, d2=0.627, g=1.121
2/2 [==============================] - 0s 4ms/step
>34, 60/390, d1=0.683, d2=0.412, g=1.201
2/2 [==============================] - 0s 4ms/step
>34, 61/390, d1=0.555, d2=0.504, g=1.037
2/2 [==============================] - 0s 4ms/step
>34, 62/390, d1=0.490, d2=0.626, g=0.890
2/2 [==============================] - 0s 4ms/step
>34, 63/390, d1=0.439, d2=0.869, g=0.809
2/2 [==============================] - 0s 3ms/step
>34, 64/390, d1=0.556, d2=0.733, g=0.892
2/2 [==============================] - 0s 4ms/step
>34, 65/390, d1=0.498, d2=0.743, g=0.919
2/2 [==============================] - 0s 4ms/step
>34, 66/390, d1=0.568, d2=0.715, g=0.969
2/2 [==============================] - 0s 4ms/step
```

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>34, 67/390, d1=0.602, d2=0.672, g=0.973
2/2 [==============================] - 0s 4ms/step
>34, 68/390, d1=0.740, d2=0.737, g=0.992
2/2 [==============================] - 0s 4ms/step
>34, 69/390, d1=0.709, d2=0.643, g=0.983
2/2 [==============================] - 0s 3ms/step
>34, 70/390, d1=0.802, d2=0.581, g=0.965
2/2 [==============================] - 0s 4ms/step
>34, 71/390, d1=0.708, d2=0.673, g=1.002
2/2 [==============================] - 0s 4ms/step
>34, 72/390, d1=0.666, d2=0.588, g=0.929
2/2 [==============================] - 0s 4ms/step
>34, 73/390, d1=0.720, d2=0.661, g=0.941
2/2 [==============================] - 0s 3ms/step
>34, 74/390, d1=0.648, d2=0.609, g=0.920
2/2 [==============================] - 0s 4ms/step
>34, 75/390, d1=0.691, d2=0.647, g=0.918
2/2 [==============================] - 0s 4ms/step
>34, 76/390, d1=0.738, d2=0.679, g=0.904
2/2 [==============================] - 0s 4ms/step
>34, 77/390, d1=0.728, d2=0.637, g=0.870
2/2 [==============================] - 0s 4ms/step
>34, 78/390, d1=0.628, d2=0.657, g=0.817
2/2 [==============================] - 0s 3ms/step
>34, 79/390, d1=0.639, d2=0.668, g=0.822
2/2 [==============================] - 0s 4ms/step
>34, 80/390, d1=0.589, d2=0.679, g=0.812
2/2 [==============================] - 0s 3ms/step
>34, 81/390, d1=0.634, d2=0.669, g=0.809
2/2 [==============================] - 0s 4ms/step
>34, 82/390, d1=0.674, d2=0.627, g=0.818
2/2 [==============================] - 0s 4ms/step
>34, 83/390, d1=0.654, d2=0.649, g=0.836
2/2 [==============================] - 0s 4ms/step
>34, 84/390, d1=0.628, d2=0.680, g=0.873
2/2 [==============================] - 0s 3ms/step
>34, 85/390, d1=0.666, d2=0.644, g=0.913
2/2 [==============================] - 0s 3ms/step
>34, 86/390, d1=0.691, d2=0.674, g=0.888
2/2 [==============================] - 0s 4ms/step
>34, 87/390, d1=0.726, d2=0.612, g=0.900
2/2 [==============================] - 0s 4ms/step
>34, 88/390, d1=0.650, d2=0.612, g=0.902
2/2 [==============================] - 0s 4ms/step
>34, 89/390, d1=0.684, d2=0.607, g=0.904
2/2 [==============================] - 0s 4ms/step
>34, 90/390, d1=0.683, d2=0.632, g=0.875
2/2 [==============================] - 0s 4ms/step
```

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>34, 91/390, d1=0.713, d2=0.602, g=0.842
2/2 [==============================] - 0s 4ms/step
>34, 92/390, d1=0.635, d2=0.609, g=0.920
2/2 [==============================] - 0s 4ms/step
>34, 93/390, d1=0.595, d2=0.704, g=0.933
2/2 [==============================] - 0s 3ms/step
>34, 94/390, d1=0.585, d2=0.712, g=0.946
2/2 [==============================] - 0s 4ms/step
>34, 95/390, d1=0.686, d2=0.572, g=0.981
2/2 [==============================] - 0s 4ms/step
>34, 96/390, d1=0.763, d2=0.614, g=0.977
2/2 [==============================] - 0s 4ms/step
>34, 97/390, d1=0.691, d2=0.657, g=0.947
2/2 [==============================] - 0s 4ms/step
>34, 98/390, d1=0.697, d2=0.673, g=0.958
2/2 [==============================] - 0s 4ms/step
>34, 99/390, d1=0.665, d2=0.540, g=0.978
2/2 [==============================] - 0s 4ms/step
>34, 100/390, d1=0.710, d2=0.601, g=0.968
2/2 [==============================] - 0s 4ms/step
>34, 101/390, d1=0.623, d2=0.632, g=0.981
2/2 [==============================] - 0s 4ms/step
>34, 102/390, d1=0.554, d2=0.633, g=0.977
2/2 [==============================] - 0s 4ms/step
>34, 103/390, d1=0.546, d2=0.608, g=0.986
2/2 [==============================] - 0s 4ms/step
>34, 104/390, d1=0.634, d2=0.617, g=0.956
2/2 [==============================] - 0s 4ms/step
>34, 105/390, d1=0.570, d2=0.672, g=0.891
2/2 [==============================] - 0s 4ms/step
>34, 106/390, d1=0.624, d2=0.713, g=0.852
2/2 [==============================] - 0s 4ms/step
>34, 107/390, d1=0.637, d2=0.774, g=0.888
2/2 [==============================] - 0s 4ms/step
>34, 108/390, d1=0.655, d2=0.725, g=0.909
2/2 [==============================] - 0s 4ms/step
>34, 109/390, d1=0.737, d2=0.616, g=0.951
2/2 [==============================] - 0s 4ms/step
>34, 110/390, d1=0.844, d2=0.666, g=0.941
2/2 [==============================] - 0s 4ms/step
>34, 111/390, d1=0.784, d2=0.597, g=0.948
2/2 [==============================] - 0s 4ms/step
>34, 112/390, d1=0.702, d2=0.665, g=0.940
2/2 [==============================] - 0s 4ms/step
>34, 113/390, d1=0.709, d2=0.618, g=0.862
2/2 [==============================] - 0s 4ms/step
>34, 114/390, d1=0.669, d2=0.665, g=0.920
2/2 [==============================] - 0s 4ms/step
```

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>34, 115/390, d1=0.646, d2=0.639, g=0.859
2/2 [==============================] - 0s 4ms/step
>34, 116/390, d1=0.660, d2=0.684, g=0.951
2/2 [==============================] - 0s 4ms/step
>34, 117/390, d1=0.643, d2=0.587, g=0.963
2/2 [==============================] - 0s 4ms/step
>34, 118/390, d1=0.672, d2=0.625, g=0.962
2/2 [==============================] - 0s 4ms/step
>34, 119/390, d1=0.654, d2=0.597, g=0.973
2/2 [==============================] - 0s 4ms/step
>34, 120/390, d1=0.671, d2=0.585, g=1.044
2/2 [==============================] - 0s 4ms/step
>34, 121/390, d1=0.732, d2=0.555, g=1.019
2/2 [==============================] - 0s 4ms/step
>34, 122/390, d1=0.636, d2=0.539, g=0.996
2/2 [==============================] - 0s 3ms/step
>34, 123/390, d1=0.591, d2=0.588, g=0.997
2/2 [==============================] - 0s 4ms/step
>34, 124/390, d1=0.627, d2=0.537, g=0.995
2/2 [==============================] - 0s 4ms/step
>34, 125/390, d1=0.659, d2=0.591, g=0.954
2/2 [==============================] - 0s 4ms/step
>34, 126/390, d1=0.650, d2=0.675, g=0.939
2/2 [==============================] - 0s 4ms/step
>34, 127/390, d1=0.691, d2=0.608, g=0.898
2/2 [==============================] - 0s 4ms/step
>34, 128/390, d1=0.659, d2=0.631, g=0.917
2/2 [==============================] - 0s 4ms/step
>34, 129/390, d1=0.665, d2=0.706, g=0.947
2/2 [==============================] - 0s 4ms/step
>34, 130/390, d1=0.680, d2=0.692, g=0.910
2/2 [==============================] - 0s 4ms/step
>34, 131/390, d1=0.740, d2=0.747, g=0.921
2/2 [==============================] - 0s 4ms/step
>34, 132/390, d1=0.724, d2=0.639, g=0.940
2/2 [==============================] - 0s 4ms/step
>34, 133/390, d1=0.734, d2=0.574, g=0.962
2/2 [==============================] - 0s 4ms/step
>34, 134/390, d1=0.763, d2=0.590, g=0.912
2/2 [==============================] - 0s 4ms/step
>34, 135/390, d1=0.712, d2=0.616, g=0.859
2/2 [==============================] - 0s 5ms/step
>34, 136/390, d1=0.673, d2=0.651, g=0.848
2/2 [==============================] - 0s 4ms/step
>34, 137/390, d1=0.698, d2=0.636, g=0.900
2/2 [==============================] - 0s 4ms/step
>34, 138/390, d1=0.619, d2=0.600, g=0.935
2/2 [==============================] - 0s 4ms/step
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>34, 139/390, d1=0.710, d2=0.627, g=0.940
2/2 [==============================] - 0s 4ms/step
>34, 140/390, d1=0.619, d2=0.611, g=0.966
2/2 [==============================] - 0s 4ms/step
>34, 141/390, d1=0.650, d2=0.583, g=0.992
2/2 [==============================] - 0s 4ms/step
>34, 142/390, d1=0.662, d2=0.553, g=0.930
2/2 [==============================] - 0s 4ms/step
>34, 143/390, d1=0.622, d2=0.554, g=0.891
2/2 [==============================] - 0s 4ms/step
>34, 144/390, d1=0.660, d2=0.651, g=0.903
2/2 [==============================] - 0s 4ms/step
>34, 145/390, d1=0.568, d2=0.805, g=0.910
2/2 [==============================] - 0s 4ms/step
>34, 146/390, d1=0.657, d2=0.670, g=0.941
2/2 [==============================] - 0s 4ms/step
>34, 147/390, d1=0.632, d2=0.675, g=0.923
2/2 [==============================] - 0s 4ms/step
>34, 148/390, d1=0.693, d2=0.611, g=0.904
2/2 [==============================] - 0s 4ms/step
>34, 149/390, d1=0.691, d2=0.591, g=0.877
2/2 [==============================] - 0s 4ms/step
>34, 150/390, d1=0.620, d2=0.606, g=0.853
2/2 [==============================] - 0s 4ms/step
>34, 151/390, d1=0.581, d2=0.619, g=0.870
2/2 [==============================] - 0s 4ms/step
>34, 152/390, d1=0.562, d2=0.747, g=0.901
2/2 [==============================] - 0s 4ms/step
>34, 153/390, d1=0.522, d2=0.588, g=0.889
2/2 [==============================] - 0s 4ms/step
>34, 154/390, d1=0.562, d2=0.686, g=0.914
2/2 [==============================] - 0s 4ms/step
>34, 155/390, d1=0.600, d2=0.676, g=0.863
2/2 [==============================] - 0s 4ms/step
>34, 156/390, d1=0.622, d2=0.716, g=0.898
2/2 [==============================] - 0s 4ms/step
>34, 157/390, d1=0.636, d2=0.677, g=0.925
2/2 [==============================] - 0s 4ms/step
>34, 158/390, d1=0.715, d2=0.626, g=0.919
2/2 [==============================] - 0s 4ms/step
>34, 159/390, d1=0.659, d2=0.651, g=0.910
2/2 [==============================] - 0s 4ms/step
>34, 160/390, d1=0.659, d2=0.780, g=0.997
2/2 [==============================] - 0s 3ms/step
>34, 161/390, d1=0.767, d2=0.603, g=0.959
2/2 [==============================] - 0s 4ms/step
>34, 162/390, d1=0.700, d2=0.609, g=0.988
2/2 [==============================] - 0s 4ms/step
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>34, 163/390, d1=0.809, d2=0.549, g=0.973
2/2 [==============================] - 0s 4ms/step
>34, 164/390, d1=0.743, d2=0.562, g=0.968
2/2 [==============================] - 0s 4ms/step
>34, 165/390, d1=0.773, d2=0.572, g=0.953
2/2 [==============================] - 0s 4ms/step
>34, 166/390, d1=0.668, d2=0.589, g=0.955
2/2 [==============================] - 0s 4ms/step
>34, 167/390, d1=0.687, d2=0.602, g=0.901
2/2 [==============================] - 0s 4ms/step
>34, 168/390, d1=0.643, d2=0.594, g=0.935
2/2 [==============================] - 0s 4ms/step
>34, 169/390, d1=0.697, d2=0.575, g=0.953
2/2 [==============================] - 0s 4ms/step
>34, 170/390, d1=0.646, d2=0.663, g=0.876
2/2 [==============================] - 0s 4ms/step
>34, 171/390, d1=0.641, d2=0.605, g=0.901
2/2 [==============================] - 0s 4ms/step
>34, 172/390, d1=0.688, d2=0.795, g=0.928
2/2 [==============================] - 0s 4ms/step
>34, 173/390, d1=0.760, d2=0.681, g=0.902
2/2 [==============================] - 0s 4ms/step
>34, 174/390, d1=0.686, d2=0.701, g=0.857
2/2 [==============================] - 0s 4ms/step
>34, 175/390, d1=0.733, d2=0.658, g=0.867
2/2 [==============================] - 0s 4ms/step
>34, 176/390, d1=0.708, d2=0.651, g=0.844
2/2 [==============================] - 0s 4ms/step
>34, 177/390, d1=0.691, d2=0.615, g=0.812
2/2 [==============================] - 0s 4ms/step
>34, 178/390, d1=0.585, d2=0.667, g=0.790
2/2 [==============================] - 0s 4ms/step
>34, 179/390, d1=0.572, d2=0.678, g=0.767
2/2 [==============================] - 0s 4ms/step
>34, 180/390, d1=0.652, d2=0.713, g=0.766
2/2 [==============================] - 0s 4ms/step
>34, 181/390, d1=0.583, d2=0.788, g=0.800
2/2 [==============================] - 0s 4ms/step
>34, 182/390, d1=0.647, d2=0.702, g=0.816
2/2 [==============================] - 0s 4ms/step
>34, 183/390, d1=0.567, d2=0.671, g=0.825
2/2 [==============================] - 0s 5ms/step
>34, 184/390, d1=0.614, d2=0.668, g=0.855
2/2 [==============================] - 0s 4ms/step
>34, 185/390, d1=0.588, d2=0.651, g=0.885
2/2 [==============================] - 0s 4ms/step
>34, 186/390, d1=0.568, d2=0.625, g=0.884
2/2 [==============================] - 0s 4ms/step
```

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>34, 187/390, d1=0.589, d2=0.666, g=0.896
2/2 [==============================] - 0s 3ms/step
>34, 188/390, d1=0.626, d2=0.713, g=0.883
2/2 [==============================] - 0s 4ms/step
>34, 189/390, d1=0.590, d2=0.777, g=0.888
2/2 [==============================] - 0s 4ms/step
>34, 190/390, d1=0.728, d2=0.649, g=0.905
2/2 [==============================] - 0s 4ms/step
>34, 191/390, d1=0.691, d2=0.609, g=0.879
2/2 [==============================] - 0s 4ms/step
>34, 192/390, d1=0.654, d2=0.677, g=0.846
2/2 [==============================] - 0s 4ms/step
>34, 193/390, d1=0.697, d2=0.698, g=0.828
2/2 [==============================] - 0s 4ms/step
>34, 194/390, d1=0.543, d2=0.738, g=0.864
2/2 [==============================] - 0s 5ms/step
>34, 195/390, d1=0.664, d2=0.723, g=0.917
2/2 [==============================] - 0s 4ms/step
>34, 196/390, d1=0.762, d2=0.616, g=0.934
2/2 [==============================] - 0s 4ms/step
>34, 197/390, d1=0.751, d2=0.633, g=0.947
2/2 [==============================] - 0s 4ms/step
>34, 198/390, d1=0.686, d2=0.674, g=0.962
2/2 [==============================] - 0s 4ms/step
>34, 199/390, d1=0.753, d2=0.762, g=0.968
2/2 [==============================] - 0s 3ms/step
>34, 200/390, d1=0.752, d2=0.561, g=1.128
2/2 [==============================] - 0s 4ms/step
>34, 201/390, d1=0.706, d2=0.449, g=1.223
2/2 [==============================] - 0s 4ms/step
>34, 202/390, d1=0.589, d2=0.513, g=1.078
2/2 [==============================] - 0s 4ms/step
>34, 203/390, d1=0.597, d2=0.584, g=0.876
2/2 [==============================] - 0s 5ms/step
>34, 204/390, d1=0.520, d2=0.633, g=0.865
2/2 [==============================] - 0s 4ms/step
>34, 205/390, d1=0.500, d2=0.694, g=0.916
2/2 [==============================] - 0s 4ms/step
>34, 206/390, d1=0.563, d2=0.752, g=0.956
2/2 [==============================] - 0s 4ms/step
>34, 207/390, d1=0.550, d2=0.756, g=0.969
2/2 [==============================] - 0s 4ms/step
>34, 208/390, d1=0.726, d2=0.702, g=1.044
2/2 [==============================] - 0s 3ms/step
>34, 209/390, d1=0.865, d2=0.488, g=1.019
2/2 [==============================] - 0s 4ms/step
>34, 210/390, d1=0.799, d2=0.587, g=0.953
2/2 [==============================] - 0s 4ms/step
```

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>34, 211/390, d1=0.823, d2=0.645, g=0.937
2/2 [==============================] - 0s 3ms/step
>34, 212/390, d1=0.811, d2=0.569, g=0.882
2/2 [==============================] - 0s 4ms/step
>34, 213/390, d1=0.656, d2=0.688, g=0.837
2/2 [==============================] - 0s 4ms/step
>34, 214/390, d1=0.653, d2=0.615, g=0.861
2/2 [==============================] - 0s 4ms/step
>34, 215/390, d1=0.744, d2=0.634, g=0.859
2/2 [==============================] - 0s 4ms/step
>34, 216/390, d1=0.613, d2=0.690, g=0.859
2/2 [==============================] - 0s 5ms/step
>34, 217/390, d1=0.695, d2=0.674, g=0.856
2/2 [==============================] - 0s 4ms/step
>34, 218/390, d1=0.678, d2=0.634, g=0.903
2/2 [==============================] - 0s 4ms/step
>34, 219/390, d1=0.663, d2=0.626, g=0.906
2/2 [==============================] - 0s 4ms/step
>34, 220/390, d1=0.669, d2=0.599, g=0.923
2/2 [==============================] - 0s 4ms/step
>34, 221/390, d1=0.631, d2=0.623, g=0.926
2/2 [==============================] - 0s 4ms/step
>34, 222/390, d1=0.653, d2=0.556, g=0.916
2/2 [==============================] - 0s 4ms/step
>34, 223/390, d1=0.649, d2=0.626, g=0.916
2/2 [==============================] - 0s 4ms/step
>34, 224/390, d1=0.606, d2=0.603, g=0.913
2/2 [==============================] - 0s 4ms/step
>34, 225/390, d1=0.639, d2=0.625, g=0.883
2/2 [==============================] - 0s 5ms/step
>34, 226/390, d1=0.561, d2=0.619, g=0.899
2/2 [==============================] - 0s 4ms/step
>34, 227/390, d1=0.619, d2=0.746, g=0.957
2/2 [==============================] - 0s 4ms/step
>34, 228/390, d1=0.675, d2=0.591, g=0.912
2/2 [==============================] - 0s 4ms/step
>34, 229/390, d1=0.662, d2=0.625, g=0.901
2/2 [==============================] - 0s 4ms/step
>34, 230/390, d1=0.659, d2=0.631, g=0.911
2/2 [==============================] - 0s 4ms/step
>34, 231/390, d1=0.669, d2=0.649, g=0.877
2/2 [==============================] - 0s 4ms/step
>34, 232/390, d1=0.642, d2=0.653, g=0.895
2/2 [==============================] - 0s 3ms/step
>34, 233/390, d1=0.493, d2=0.679, g=0.964
2/2 [==============================] - 0s 3ms/step
>34, 234/390, d1=0.661, d2=0.607, g=0.919
2/2 [==============================] - 0s 4ms/step
```

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>34, 235/390, d1=0.698, d2=0.635, g=0.912
2/2 [==============================] - 0s 4ms/step
>34, 236/390, d1=0.734, d2=0.591, g=0.940
2/2 [==============================] - 0s 4ms/step
>34, 237/390, d1=0.681, d2=0.614, g=0.931
2/2 [==============================] - 0s 4ms/step
>34, 238/390, d1=0.675, d2=0.627, g=0.919
2/2 [==============================] - 0s 4ms/step
>34, 239/390, d1=0.649, d2=0.599, g=0.896
2/2 [==============================] - 0s 4ms/step
>34, 240/390, d1=0.595, d2=0.549, g=0.914
2/2 [==============================] - 0s 4ms/step
>34, 241/390, d1=0.618, d2=0.570, g=0.951
2/2 [==============================] - 0s 4ms/step
>34, 242/390, d1=0.578, d2=0.662, g=0.944
2/2 [==============================] - 0s 4ms/step
>34, 243/390, d1=0.568, d2=0.621, g=0.945
2/2 [==============================] - 0s 4ms/step
>34, 244/390, d1=0.519, d2=0.634, g=0.978
2/2 [==============================] - 0s 4ms/step
>34, 245/390, d1=0.590, d2=0.689, g=0.970
2/2 [==============================] - 0s 4ms/step
>34, 246/390, d1=0.607, d2=0.600, g=0.970
2/2 [==============================] - 0s 4ms/step
>34, 247/390, d1=0.693, d2=0.685, g=0.987
2/2 [==============================] - 0s 4ms/step
>34, 248/390, d1=0.696, d2=0.633, g=0.939
2/2 [==============================] - 0s 4ms/step
>34, 249/390, d1=0.739, d2=0.589, g=0.876
2/2 [==============================] - 0s 4ms/step
>34, 250/390, d1=0.689, d2=0.607, g=0.832
2/2 [==============================] - 0s 4ms/step
>34, 251/390, d1=0.695, d2=0.700, g=0.855
2/2 [==============================] - 0s 4ms/step
>34, 252/390, d1=0.718, d2=0.651, g=0.874
2/2 [==============================] - 0s 4ms/step
>34, 253/390, d1=0.634, d2=0.694, g=0.844
2/2 [==============================] - 0s 4ms/step
>34, 254/390, d1=0.638, d2=0.657, g=0.829
2/2 [==============================] - 0s 3ms/step
>34, 255/390, d1=0.686, d2=0.678, g=0.832
2/2 [==============================] - 0s 4ms/step
>34, 256/390, d1=0.645, d2=0.705, g=0.833
2/2 [==============================] - 0s 4ms/step
>34, 257/390, d1=0.600, d2=0.695, g=0.855
2/2 [==============================] - 0s 3ms/step
>34, 258/390, d1=0.707, d2=0.644, g=0.838
2/2 [==============================] - 0s 3ms/step
```

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>34, 259/390, d1=0.603, d2=0.678, g=0.853
2/2 [==============================] - 0s 4ms/step
>34, 260/390, d1=0.664, d2=0.674, g=0.822
2/2 [==============================] - 0s 4ms/step
>34, 261/390, d1=0.694, d2=0.645, g=0.796
2/2 [==============================] - 0s 4ms/step
>34, 262/390, d1=0.669, d2=0.662, g=0.819
2/2 [==============================] - 0s 4ms/step
>34, 263/390, d1=0.656, d2=0.676, g=0.814
2/2 [==============================] - 0s 4ms/step
>34, 264/390, d1=0.592, d2=0.679, g=0.847
2/2 [==============================] - 0s 4ms/step
>34, 265/390, d1=0.612, d2=0.605, g=0.863
2/2 [==============================] - 0s 4ms/step
>34, 266/390, d1=0.652, d2=0.614, g=0.911
2/2 [==============================] - 0s 4ms/step
>34, 267/390, d1=0.661, d2=0.607, g=0.882
2/2 [==============================] - 0s 5ms/step
>34, 268/390, d1=0.650, d2=0.547, g=0.956
2/2 [==============================] - 0s 4ms/step
>34, 269/390, d1=0.602, d2=0.596, g=0.965
2/2 [==============================] - 0s 3ms/step
>34, 270/390, d1=0.609, d2=0.574, g=0.928
2/2 [==============================] - 0s 4ms/step
>34, 271/390, d1=0.651, d2=0.684, g=0.940
2/2 [==============================] - 0s 4ms/step
>34, 272/390, d1=0.587, d2=0.683, g=0.931
2/2 [==============================] - 0s 5ms/step
>34, 273/390, d1=0.649, d2=1.014, g=1.024
2/2 [==============================] - 0s 4ms/step
>34, 274/390, d1=0.683, d2=0.572, g=0.966
2/2 [==============================] - 0s 3ms/step
>34, 275/390, d1=0.731, d2=0.633, g=0.992
2/2 [==============================] - 0s 4ms/step
>34, 276/390, d1=0.754, d2=0.547, g=0.919
2/2 [==============================] - 0s 4ms/step
>34, 277/390, d1=0.709, d2=0.602, g=0.906
2/2 [==============================] - 0s 4ms/step
>34, 278/390, d1=0.605, d2=0.653, g=0.885
2/2 [==============================] - 0s 4ms/step
>34, 279/390, d1=0.605, d2=0.669, g=0.961
2/2 [==============================] - 0s 4ms/step
>34, 280/390, d1=0.575, d2=0.684, g=0.914
2/2 [==============================] - 0s 4ms/step
>34, 281/390, d1=0.502, d2=0.634, g=0.852
2/2 [==============================] - 0s 3ms/step
>34, 282/390, d1=0.550, d2=0.782, g=0.839
2/2 [==============================] - 0s 4ms/step
```

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>34, 283/390, d1=0.648, d2=0.871, g=0.918
2/2 [==============================] - 0s 4ms/step
>34, 284/390, d1=0.709, d2=0.661, g=0.945
2/2 [==============================] - 0s 4ms/step
>34, 285/390, d1=0.686, d2=0.558, g=1.027
2/2 [==============================] - 0s 4ms/step
>34, 286/390, d1=0.749, d2=0.635, g=0.993
2/2 [==============================] - 0s 5ms/step
>34, 287/390, d1=0.826, d2=0.525, g=0.976
2/2 [==============================] - 0s 3ms/step
>34, 288/390, d1=0.769, d2=0.560, g=0.917
2/2 [==============================] - 0s 4ms/step
>34, 289/390, d1=0.673, d2=0.624, g=0.880
2/2 [==============================] - 0s 4ms/step
>34, 290/390, d1=0.763, d2=0.659, g=0.851
2/2 [==============================] - 0s 3ms/step
>34, 291/390, d1=0.718, d2=0.651, g=0.867
2/2 [==============================] - 0s 3ms/step
>34, 292/390, d1=0.667, d2=0.625, g=0.847
2/2 [==============================] - 0s 4ms/step
>34, 293/390, d1=0.692, d2=0.695, g=0.881
2/2 [==============================] - 0s 4ms/step
>34, 294/390, d1=0.695, d2=0.615, g=0.909
2/2 [==============================] - 0s 4ms/step
>34, 295/390, d1=0.583, d2=0.573, g=0.898
2/2 [==============================] - 0s 4ms/step
>34, 296/390, d1=0.551, d2=0.631, g=0.896
2/2 [==============================] - 0s 3ms/step
>34, 297/390, d1=0.571, d2=0.656, g=0.837
2/2 [==============================] - 0s 4ms/step
>34, 298/390, d1=0.619, d2=0.786, g=0.837
2/2 [==============================] - 0s 4ms/step
>34, 299/390, d1=0.624, d2=0.705, g=0.876
2/2 [==============================] - 0s 4ms/step
>34, 300/390, d1=0.676, d2=0.742, g=0.864
2/2 [==============================] - 0s 4ms/step
>34, 301/390, d1=0.738, d2=0.657, g=0.855
2/2 [==============================] - 0s 4ms/step
>34, 302/390, d1=0.691, d2=0.688, g=0.902
2/2 [==============================] - 0s 4ms/step
>34, 303/390, d1=0.796, d2=0.610, g=0.900
2/2 [==============================] - 0s 4ms/step
>34, 304/390, d1=0.709, d2=0.592, g=0.973
2/2 [==============================] - 0s 4ms/step
>34, 305/390, d1=0.702, d2=0.586, g=0.926
2/2 [==============================] - 0s 4ms/step
>34, 306/390, d1=0.708, d2=0.589, g=0.917
2/2 [==============================] - 0s 4ms/step
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>34, 307/390, d1=0.655, d2=0.630, g=0.907
2/2 [==============================] - 0s 4ms/step
>34, 308/390, d1=0.620, d2=0.613, g=0.896
2/2 [==============================] - 0s 3ms/step
>34, 309/390, d1=0.594, d2=0.678, g=0.920
2/2 [==============================] - 0s 4ms/step
>34, 310/390, d1=0.661, d2=0.636, g=0.888
2/2 [==============================] - 0s 4ms/step
>34, 311/390, d1=0.676, d2=0.676, g=0.940
2/2 [==============================] - 0s 4ms/step
>34, 312/390, d1=0.678, d2=0.658, g=0.879
2/2 [==============================] - 0s 4ms/step
>34, 313/390, d1=0.668, d2=0.645, g=0.850
2/2 [==============================] - 0s 4ms/step
>34, 314/390, d1=0.713, d2=0.668, g=0.820
2/2 [==============================] - 0s 4ms/step
>34, 315/390, d1=0.657, d2=0.679, g=0.813
2/2 [==============================] - 0s 4ms/step
>34, 316/390, d1=0.669, d2=0.731, g=0.829
2/2 [==============================] - 0s 4ms/step
>34, 317/390, d1=0.697, d2=0.652, g=0.838
2/2 [==============================] - 0s 4ms/step
>34, 318/390, d1=0.737, d2=0.614, g=0.872
2/2 [==============================] - 0s 4ms/step
>34, 319/390, d1=0.711, d2=0.695, g=0.835
2/2 [==============================] - 0s 4ms/step
>34, 320/390, d1=0.658, d2=0.623, g=0.845
2/2 [==============================] - 0s 4ms/step
>34, 321/390, d1=0.633, d2=0.704, g=0.828
2/2 [==============================] - 0s 4ms/step
>34, 322/390, d1=0.641, d2=0.680, g=0.877
2/2 [==============================] - 0s 4ms/step
>34, 323/390, d1=0.606, d2=0.585, g=0.891
2/2 [==============================] - 0s 4ms/step
>34, 324/390, d1=0.604, d2=0.653, g=0.914
2/2 [==============================] - 0s 4ms/step
>34, 325/390, d1=0.600, d2=0.657, g=0.866
2/2 [==============================] - 0s 4ms/step
>34, 326/390, d1=0.512, d2=0.732, g=0.927
2/2 [==============================] - 0s 4ms/step
>34, 327/390, d1=0.550, d2=0.594, g=0.852
2/2 [==============================] - 0s 4ms/step
>34, 328/390, d1=0.566, d2=0.719, g=0.887
2/2 [==============================] - 0s 4ms/step
>34, 329/390, d1=0.667, d2=0.730, g=0.948
2/2 [==============================] - 0s 4ms/step
>34, 330/390, d1=0.682, d2=0.638, g=0.923
2/2 [==============================] - 0s 4ms/step
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>34, 331/390, d1=0.783, d2=0.569, g=0.917
2/2 [==============================] - 0s 4ms/step
>34, 332/390, d1=0.742, d2=0.594, g=0.879
2/2 [==============================] - 0s 4ms/step
>34, 333/390, d1=0.786, d2=0.642, g=0.900
2/2 [==============================] - 0s 4ms/step
>34, 334/390, d1=0.689, d2=0.609, g=0.912
2/2 [==============================] - 0s 4ms/step
>34, 335/390, d1=0.624, d2=0.608, g=0.896
2/2 [==============================] - 0s 4ms/step
>34, 336/390, d1=0.628, d2=0.672, g=0.857
2/2 [==============================] - 0s 4ms/step
>34, 337/390, d1=0.621, d2=0.712, g=0.910
2/2 [==============================] - 0s 4ms/step
>34, 338/390, d1=0.687, d2=0.597, g=0.884
2/2 [==============================] - 0s 4ms/step
>34, 339/390, d1=0.654, d2=0.678, g=0.913
2/2 [==============================] - 0s 4ms/step
>34, 340/390, d1=0.695, d2=0.602, g=0.929
2/2 [==============================] - 0s 4ms/step
>34, 341/390, d1=0.741, d2=0.577, g=0.924
2/2 [==============================] - 0s 4ms/step
>34, 342/390, d1=0.754, d2=0.643, g=0.942
2/2 [==============================] - 0s 4ms/step
>34, 343/390, d1=0.656, d2=0.578, g=0.956
2/2 [==============================] - 0s 4ms/step
>34, 344/390, d1=0.664, d2=0.566, g=0.917
2/2 [==============================] - 0s 4ms/step
>34, 345/390, d1=0.735, d2=0.644, g=0.894
2/2 [==============================] - 0s 4ms/step
>34, 346/390, d1=0.665, d2=0.604, g=0.882
2/2 [==============================] - 0s 4ms/step
>34, 347/390, d1=0.699, d2=0.621, g=0.836
2/2 [==============================] - 0s 4ms/step
>34, 348/390, d1=0.608, d2=0.650, g=0.836
2/2 [==============================] - 0s 4ms/step
>34, 349/390, d1=0.561, d2=0.722, g=0.821
2/2 [==============================] - 0s 3ms/step
>34, 350/390, d1=0.548, d2=0.663, g=0.850
2/2 [==============================] - 0s 4ms/step
>34, 351/390, d1=0.676, d2=0.630, g=0.858
2/2 [==============================] - 0s 4ms/step
>34, 352/390, d1=0.686, d2=0.674, g=0.829
2/2 [==============================] - 0s 4ms/step
>34, 353/390, d1=0.685, d2=0.653, g=0.839
2/2 [==============================] - 0s 4ms/step
>34, 354/390, d1=0.608, d2=0.625, g=0.819
2/2 [==============================] - 0s 4ms/step
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>34, 355/390, d1=0.576, d2=0.671, g=0.787
2/2 [==============================] - 0s 4ms/step
>34, 356/390, d1=0.604, d2=0.780, g=0.799
2/2 [==============================] - 0s 4ms/step
>34, 357/390, d1=0.602, d2=0.729, g=0.830
2/2 [==============================] - 0s 4ms/step
>34, 358/390, d1=0.558, d2=0.717, g=0.837
2/2 [==============================] - 0s 4ms/step
>34, 359/390, d1=0.673, d2=0.676, g=0.865
2/2 [==============================] - 0s 4ms/step
>34, 360/390, d1=0.660, d2=0.637, g=0.856
2/2 [==============================] - 0s 4ms/step
>34, 361/390, d1=0.698, d2=0.617, g=0.853
2/2 [==============================] - 0s 4ms/step
>34, 362/390, d1=0.673, d2=0.765, g=0.889
2/2 [==============================] - 0s 4ms/step
>34, 363/390, d1=0.725, d2=0.675, g=0.930
2/2 [==============================] - 0s 4ms/step
>34, 364/390, d1=0.781, d2=0.574, g=0.915
2/2 [==============================] - 0s 4ms/step
>34, 365/390, d1=0.725, d2=0.594, g=0.895
2/2 [==============================] - 0s 4ms/step
>34, 366/390, d1=0.748, d2=0.601, g=0.885
2/2 [==============================] - 0s 4ms/step
>34, 367/390, d1=0.686, d2=0.610, g=0.858
2/2 [==============================] - 0s 4ms/step
>34, 368/390, d1=0.706, d2=0.644, g=0.910
2/2 [==============================] - 0s 4ms/step
>34, 369/390, d1=0.626, d2=0.667, g=0.912
2/2 [==============================] - 0s 4ms/step
>34, 370/390, d1=0.702, d2=0.566, g=0.976
2/2 [==============================] - 0s 4ms/step
>34, 371/390, d1=0.777, d2=0.568, g=0.935
2/2 [==============================] - 0s 4ms/step
>34, 372/390, d1=0.698, d2=0.575, g=0.933
2/2 [==============================] - 0s 4ms/step
>34, 373/390, d1=0.765, d2=0.577, g=0.976
2/2 [==============================] - 0s 4ms/step
>34, 374/390, d1=0.735, d2=0.547, g=0.959
2/2 [==============================] - 0s 4ms/step
>34, 375/390, d1=0.674, d2=0.636, g=0.886
2/2 [==============================] - 0s 4ms/step
>34, 376/390, d1=0.695, d2=0.607, g=0.867
2/2 [==============================] - 0s 4ms/step
>34, 377/390, d1=0.694, d2=0.557, g=0.892
2/2 [==============================] - 0s 4ms/step
>34, 378/390, d1=0.689, d2=0.646, g=0.888
2/2 [==============================] - 0s 4ms/step
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>34, 379/390, d1=0.642, d2=0.604, g=0.823
2/2 [==============================] - 0s 4ms/step
>34, 380/390, d1=0.722, d2=0.607, g=0.824
2/2 [==============================] - 0s 4ms/step
>34, 381/390, d1=0.629, d2=0.642, g=0.847
2/2 [==============================] - 0s 4ms/step
>34, 382/390, d1=0.658, d2=0.634, g=0.852
2/2 [==============================] - 0s 4ms/step
>34, 383/390, d1=0.623, d2=0.692, g=0.827
2/2 [==============================] - 0s 4ms/step
>34, 384/390, d1=0.611, d2=0.629, g=0.873
2/2 [==============================] - 0s 4ms/step
>34, 385/390, d1=0.723, d2=0.618, g=0.828
2/2 [==============================] - 0s 4ms/step
>34, 386/390, d1=0.688, d2=0.659, g=0.843
2/2 [==============================] - 0s 4ms/step
>34, 387/390, d1=0.624, d2=0.680, g=0.821
2/2 [==============================] - 0s 4ms/step
>34, 388/390, d1=0.636, d2=0.646, g=0.852
2/2 [==============================] - 0s 4ms/step
>34, 389/390, d1=0.609, d2=0.627, g=0.844
2/2 [==============================] - 0s 4ms/step
>34, 390/390, d1=0.711, d2=0.647, g=0.861
2/2 [==============================] - 0s 4ms/step
>36, 1/390, d1=0.701, d2=0.684, g=0.794
2/2 [==============================] - 0s 4ms/step
>36, 2/390, d1=0.668, d2=0.593, g=0.804
2/2 [==============================] - 0s 4ms/step
>36, 3/390, d1=0.694, d2=0.660, g=0.838
2/2 [==============================] - 0s 4ms/step
>36, 4/390, d1=0.688, d2=0.655, g=0.802
2/2 [==============================] - 0s 4ms/step
>36, 5/390, d1=0.607, d2=0.626, g=0.825
2/2 [==============================] - 0s 3ms/step
>36, 6/390, d1=0.671, d2=0.633, g=0.828
2/2 [==============================] - 0s 4ms/step
>36, 7/390, d1=0.646, d2=0.599, g=0.843
2/2 [==============================] - 0s 4ms/step
>36, 8/390, d1=0.679, d2=0.630, g=0.873
2/2 [==============================] - 0s 4ms/step
>36, 9/390, d1=0.629, d2=0.667, g=0.908
2/2 [==============================] - 0s 3ms/step
>36, 10/390, d1=0.671, d2=0.613, g=0.912
2/2 [==============================] - 0s 4ms/step
>36, 11/390, d1=0.678, d2=0.628, g=0.902
2/2 [==============================] - 0s 4ms/step
>36, 12/390, d1=0.643, d2=0.593, g=0.891
2/2 [==============================] - 0s 3ms/step
```

```
>36, 13/390, d1=0.643, d2=0.712, g=0.902
2/2 [==============================] - 0s 4ms/step
>36, 14/390, d1=0.677, d2=0.656, g=0.936
2/2 [==============================] - 0s 4ms/step
>36, 15/390, d1=0.719, d2=0.553, g=0.898
2/2 [==============================] - 0s 4ms/step
>36, 16/390, d1=0.694, d2=0.617, g=0.905
2/2 [==============================] - 0s 4ms/step
>36, 17/390, d1=0.679, d2=0.682, g=0.922
2/2 [==============================] - 0s 4ms/step
>36, 18/390, d1=0.651, d2=0.650, g=0.924
2/2 [==============================] - 0s 4ms/step
>36, 19/390, d1=0.702, d2=0.638, g=0.926
2/2 [==============================] - 0s 3ms/step
>36, 20/390, d1=0.645, d2=0.608, g=0.884
2/2 [==============================] - 0s 4ms/step
>36, 21/390, d1=0.687, d2=0.647, g=0.908
2/2 [==============================] - 0s 4ms/step
>36, 22/390, d1=0.632, d2=0.628, g=0.864
2/2 [==============================] - 0s 4ms/step
>36, 23/390, d1=0.516, d2=0.640, g=0.818
2/2 [==============================] - 0s 4ms/step
>36, 24/390, d1=0.594, d2=0.679, g=0.874
2/2 [==============================] - 0s 4ms/step
>36, 25/390, d1=0.528, d2=0.673, g=0.861
2/2 [==============================] - 0s 4ms/step
>36, 26/390, d1=0.581, d2=0.783, g=0.931
2/2 [==============================] - 0s 4ms/step
>36, 27/390, d1=0.643, d2=0.609, g=0.870
2/2 [==============================] - 0s 4ms/step
>36, 28/390, d1=0.540, d2=0.634, g=0.886
2/2 [==============================] - 0s 4ms/step
>36, 29/390, d1=0.674, d2=0.761, g=0.878
2/2 [==============================] - 0s 4ms/step
>36, 30/390, d1=0.610, d2=0.729, g=0.922
2/2 [==============================] - 0s 4ms/step
>36, 31/390, d1=0.722, d2=0.588, g=0.960
2/2 [==============================] - 0s 4ms/step
>36, 32/390, d1=0.701, d2=0.611, g=0.904
2/2 [==============================] - 0s 4ms/step
>36, 33/390, d1=0.697, d2=0.598, g=0.911
2/2 [==============================] - 0s 4ms/step
>36, 34/390, d1=0.708, d2=0.600, g=0.923
2/2 [==============================] - 0s 4ms/step
>36, 35/390, d1=0.709, d2=0.623, g=0.926
2/2 [==============================] - 0s 4ms/step
>36, 36/390, d1=0.658, d2=0.630, g=0.922
2/2 [==============================] - 0s 4ms/step
```

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>36, 37/390, d1=0.714, d2=0.632, g=0.906
2/2 [==============================] - 0s 4ms/step
>36, 38/390, d1=0.711, d2=0.568, g=0.949
2/2 [==============================] - 0s 4ms/step
>36, 39/390, d1=0.639, d2=0.603, g=0.930
2/2 [==============================] - 0s 4ms/step
>36, 40/390, d1=0.718, d2=0.632, g=0.880
2/2 [==============================] - 0s 4ms/step
>36, 41/390, d1=0.590, d2=0.668, g=0.863
2/2 [==============================] - 0s 4ms/step
>36, 42/390, d1=0.690, d2=0.676, g=0.827
2/2 [==============================] - 0s 4ms/step
>36, 43/390, d1=0.704, d2=0.612, g=0.830
2/2 [==============================] - 0s 4ms/step
>36, 44/390, d1=0.626, d2=0.701, g=0.886
2/2 [==============================] - 0s 3ms/step
>36, 45/390, d1=0.652, d2=0.650, g=0.867
2/2 [==============================] - 0s 4ms/step
>36, 46/390, d1=0.612, d2=0.624, g=0.886
2/2 [==============================] - 0s 4ms/step
>36, 47/390, d1=0.652, d2=0.715, g=0.890
2/2 [==============================] - 0s 4ms/step
>36, 48/390, d1=0.640, d2=0.662, g=0.864
2/2 [==============================] - 0s 4ms/step
>36, 49/390, d1=0.609, d2=0.654, g=0.891
2/2 [==============================] - 0s 4ms/step
>36, 50/390, d1=0.686, d2=0.656, g=0.850
2/2 [==============================] - 0s 5ms/step
>36, 51/390, d1=0.655, d2=0.654, g=0.888
2/2 [==============================] - 0s 4ms/step
>36, 52/390, d1=0.663, d2=0.660, g=0.842
2/2 [==============================] - 0s 4ms/step
>36, 53/390, d1=0.710, d2=0.660, g=0.944
2/2 [==============================] - 0s 4ms/step
>36, 54/390, d1=0.724, d2=0.599, g=0.919
2/2 [==============================] - 0s 3ms/step
>36, 55/390, d1=0.695, d2=0.593, g=0.919
2/2 [==============================] - 0s 4ms/step
>36, 56/390, d1=0.703, d2=0.614, g=0.870
2/2 [==============================] - 0s 4ms/step
>36, 57/390, d1=0.701, d2=0.598, g=0.864
2/2 [==============================] - 0s 4ms/step
>36, 58/390, d1=0.712, d2=0.698, g=0.842
2/2 [==============================] - 0s 4ms/step
>36, 59/390, d1=0.728, d2=0.653, g=0.810
2/2 [==============================] - 0s 4ms/step
>36, 60/390, d1=0.651, d2=0.658, g=0.783
2/2 [==============================] - 0s 4ms/step
```

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>36, 61/390, d1=0.626, d2=0.715, g=0.821
2/2 [==============================] - 0s 4ms/step
>36, 62/390, d1=0.588, d2=0.671, g=0.830
2/2 [==============================] - 0s 4ms/step
>36, 63/390, d1=0.645, d2=0.626, g=0.811
2/2 [==============================] - 0s 4ms/step
>36, 64/390, d1=0.664, d2=0.620, g=0.843
2/2 [==============================] - 0s 4ms/step
>36, 65/390, d1=0.654, d2=0.704, g=0.855
2/2 [==============================] - 0s 4ms/step
>36, 66/390, d1=0.614, d2=0.635, g=0.870
2/2 [==============================] - 0s 4ms/step
>36, 67/390, d1=0.660, d2=0.608, g=0.855
2/2 [==============================] - 0s 4ms/step
>36, 68/390, d1=0.674, d2=0.635, g=0.847
2/2 [==============================] - 0s 4ms/step
>36, 69/390, d1=0.647, d2=0.630, g=0.824
2/2 [==============================] - 0s 4ms/step
>36, 70/390, d1=0.618, d2=0.699, g=0.829
2/2 [==============================] - 0s 4ms/step
>36, 71/390, d1=0.652, d2=0.682, g=0.864
2/2 [==============================] - 0s 4ms/step
>36, 72/390, d1=0.647, d2=0.672, g=0.891
2/2 [==============================] - 0s 4ms/step
>36, 73/390, d1=0.715, d2=0.645, g=0.890
2/2 [==============================] - 0s 3ms/step
>36, 74/390, d1=0.643, d2=0.665, g=0.844
2/2 [==============================] - 0s 4ms/step
>36, 75/390, d1=0.664, d2=0.730, g=0.865
2/2 [==============================] - 0s 4ms/step
>36, 76/390, d1=0.652, d2=0.644, g=0.885
2/2 [==============================] - 0s 4ms/step
>36, 77/390, d1=0.659, d2=0.606, g=0.911
2/2 [==============================] - 0s 4ms/step
>36, 78/390, d1=0.683, d2=0.654, g=0.905
2/2 [==============================] - 0s 4ms/step
>36, 79/390, d1=0.677, d2=0.639, g=0.907
2/2 [==============================] - 0s 4ms/step
>36, 80/390, d1=0.728, d2=0.659, g=0.879
2/2 [==============================] - 0s 4ms/step
>36, 81/390, d1=0.684, d2=0.640, g=0.886
2/2 [==============================] - 0s 4ms/step
>36, 82/390, d1=0.690, d2=0.635, g=0.900
2/2 [==============================] - 0s 4ms/step
>36, 83/390, d1=0.690, d2=0.638, g=0.861
2/2 [==============================] - 0s 4ms/step
>36, 84/390, d1=0.662, d2=0.589, g=0.846
2/2 [==============================] - 0s 4ms/step
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>36, 85/390, d1=0.625, d2=0.663, g=0.886
2/2 [==============================] - 0s 4ms/step
>36, 86/390, d1=0.662, d2=0.682, g=0.840
2/2 [==============================] - 0s 4ms/step
>36, 87/390, d1=0.634, d2=0.617, g=0.851
2/2 [==============================] - 0s 4ms/step
>36, 88/390, d1=0.692, d2=0.678, g=0.798
2/2 [==============================] - 0s 4ms/step
>36, 89/390, d1=0.597, d2=0.692, g=0.804
2/2 [==============================] - 0s 4ms/step
>36, 90/390, d1=0.689, d2=0.635, g=0.821
2/2 [==============================] - 0s 4ms/step
>36, 91/390, d1=0.620, d2=0.722, g=0.816
2/2 [==============================] - 0s 4ms/step
>36, 92/390, d1=0.622, d2=0.698, g=0.839
2/2 [==============================] - 0s 4ms/step
>36, 93/390, d1=0.701, d2=0.615, g=0.840
2/2 [==============================] - 0s 4ms/step
>36, 94/390, d1=0.656, d2=0.646, g=0.818
2/2 [==============================] - 0s 4ms/step
>36, 95/390, d1=0.637, d2=0.647, g=0.861
2/2 [==============================] - 0s 4ms/step
>36, 96/390, d1=0.646, d2=0.608, g=0.823
2/2 [==============================] - 0s 4ms/step
>36, 97/390, d1=0.686, d2=0.614, g=0.833
2/2 [==============================] - 0s 4ms/step
>36, 98/390, d1=0.666, d2=0.721, g=0.861
2/2 [==============================] - 0s 4ms/step
>36, 99/390, d1=0.632, d2=0.628, g=0.930
2/2 [==============================] - 0s 4ms/step
>36, 100/390, d1=0.653, d2=0.622, g=0.932
2/2 [==============================] - 0s 4ms/step
>36, 101/390, d1=0.705, d2=0.643, g=0.892
2/2 [==============================] - 0s 5ms/step
>36, 102/390, d1=0.724, d2=0.593, g=0.857
2/2 [==============================] - 0s 4ms/step
>36, 103/390, d1=0.683, d2=0.639, g=0.852
2/2 [==============================] - 0s 4ms/step
>36, 104/390, d1=0.677, d2=0.648, g=0.831
2/2 [==============================] - 0s 5ms/step
>36, 105/390, d1=0.637, d2=0.659, g=0.811
2/2 [==============================] - 0s 4ms/step
>36, 106/390, d1=0.647, d2=0.666, g=0.834
2/2 [==============================] - 0s 4ms/step
>36, 107/390, d1=0.721, d2=0.674, g=0.823
2/2 [==============================] - 0s 4ms/step
>36, 108/390, d1=0.634, d2=0.679, g=0.817
2/2 [==============================] - 0s 4ms/step
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>36, 109/390, d1=0.679, d2=0.657, g=0.822
2/2 [==============================] - 0s 4ms/step
>36, 110/390, d1=0.670, d2=0.676, g=0.864
2/2 [==============================] - 0s 4ms/step
>36, 111/390, d1=0.683, d2=0.620, g=0.854
2/2 [==============================] - 0s 4ms/step
>36, 112/390, d1=0.639, d2=0.635, g=0.857
2/2 [==============================] - 0s 4ms/step
>36, 113/390, d1=0.715, d2=0.661, g=0.890
2/2 [==============================] - 0s 4ms/step
>36, 114/390, d1=0.709, d2=0.611, g=0.859
2/2 [==============================] - 0s 4ms/step
>36, 115/390, d1=0.647, d2=0.628, g=0.827
2/2 [==============================] - 0s 4ms/step
>36, 116/390, d1=0.623, d2=0.601, g=0.782
2/2 [==============================] - 0s 4ms/step
>36, 117/390, d1=0.682, d2=0.653, g=0.821
2/2 [==============================] - 0s 4ms/step
>36, 118/390, d1=0.614, d2=0.654, g=0.860
2/2 [==============================] - 0s 4ms/step
>36, 119/390, d1=0.637, d2=0.638, g=0.862
2/2 [==============================] - 0s 4ms/step
>36, 120/390, d1=0.680, d2=0.660, g=0.839
2/2 [==============================] - 0s 4ms/step
>36, 121/390, d1=0.654, d2=0.660, g=0.862
2/2 [==============================] - 0s 3ms/step
>36, 122/390, d1=0.738, d2=0.658, g=0.886
2/2 [==============================] - 0s 4ms/step
>36, 123/390, d1=0.735, d2=0.598, g=0.865
2/2 [==============================] - 0s 4ms/step
>36, 124/390, d1=0.682, d2=0.637, g=0.806
2/2 [==============================] - 0s 4ms/step
>36, 125/390, d1=0.660, d2=0.653, g=0.829
2/2 [==============================] - 0s 4ms/step
>36, 126/390, d1=0.652, d2=0.646, g=0.848
2/2 [==============================] - 0s 4ms/step
>36, 127/390, d1=0.675, d2=0.696, g=0.862
2/2 [==============================] - 0s 4ms/step
>36, 128/390, d1=0.693, d2=0.600, g=0.848
2/2 [==============================] - 0s 4ms/step
>36, 129/390, d1=0.679, d2=0.608, g=0.835
2/2 [==============================] - 0s 4ms/step
>36, 130/390, d1=0.682, d2=0.659, g=0.813
2/2 [==============================] - 0s 4ms/step
>36, 131/390, d1=0.627, d2=0.720, g=0.829
2/2 [==============================] - 0s 4ms/step
>36, 132/390, d1=0.631, d2=0.630, g=0.804
2/2 [==============================] - 0s 4ms/step
```

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>36, 133/390, d1=0.597, d2=0.688, g=0.833
2/2 [==============================] - 0s 4ms/step
>36, 134/390, d1=0.665, d2=0.662, g=0.850
2/2 [==============================] - 0s 4ms/step
>36, 135/390, d1=0.633, d2=0.638, g=0.860
2/2 [==============================] - 0s 4ms/step
>36, 136/390, d1=0.623, d2=0.674, g=0.870
2/2 [==============================] - 0s 3ms/step
>36, 137/390, d1=0.691, d2=0.670, g=0.832
2/2 [==============================] - 0s 4ms/step
>36, 138/390, d1=0.680, d2=0.699, g=0.892
2/2 [==============================] - 0s 4ms/step
>36, 139/390, d1=0.770, d2=0.632, g=0.834
2/2 [==============================] - 0s 4ms/step
>36, 140/390, d1=0.697, d2=0.635, g=0.846
2/2 [==============================] - 0s 4ms/step
>36, 141/390, d1=0.612, d2=0.657, g=0.798
2/2 [==============================] - 0s 4ms/step
>36, 142/390, d1=0.681, d2=0.651, g=0.831
2/2 [==============================] - 0s 4ms/step
>36, 143/390, d1=0.686, d2=0.609, g=0.836
2/2 [==============================] - 0s 4ms/step
>36, 144/390, d1=0.611, d2=0.641, g=0.864
2/2 [==============================] - 0s 4ms/step
>36, 145/390, d1=0.644, d2=0.668, g=0.829
2/2 [==============================] - 0s 4ms/step
>36, 146/390, d1=0.665, d2=0.748, g=0.833
2/2 [==============================] - 0s 4ms/step
>36, 147/390, d1=0.617, d2=0.634, g=0.827
2/2 [==============================] - 0s 4ms/step
>36, 148/390, d1=0.716, d2=0.594, g=0.863
2/2 [==============================] - 0s 3ms/step
>36, 149/390, d1=0.696, d2=0.638, g=0.848
2/2 [==============================] - 0s 3ms/step
>36, 150/390, d1=0.652, d2=0.618, g=0.857
2/2 [==============================] - 0s 4ms/step
>36, 151/390, d1=0.638, d2=0.696, g=0.922
2/2 [==============================] - 0s 4ms/step
>36, 152/390, d1=0.737, d2=0.635, g=0.880
2/2 [==============================] - 0s 4ms/step
>36, 153/390, d1=0.676, d2=0.653, g=0.843
2/2 [==============================] - 0s 4ms/step
>36, 154/390, d1=0.639, d2=0.647, g=0.853
2/2 [==============================] - 0s 4ms/step
>36, 155/390, d1=0.618, d2=0.648, g=0.813
2/2 [==============================] - 0s 4ms/step
>36, 156/390, d1=0.688, d2=0.657, g=0.797
2/2 [==============================] - 0s 4ms/step
```

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>36, 157/390, d1=0.593, d2=0.734, g=0.848
2/2 [==============================] - 0s 4ms/step
>36, 158/390, d1=0.689, d2=0.633, g=0.888
2/2 [==============================] - 0s 4ms/step
>36, 159/390, d1=0.632, d2=0.641, g=0.899
2/2 [==============================] - 0s 4ms/step
>36, 160/390, d1=0.676, d2=0.610, g=0.904
2/2 [==============================] - 0s 4ms/step
>36, 161/390, d1=0.694, d2=0.604, g=0.890
2/2 [==============================] - 0s 4ms/step
>36, 162/390, d1=0.612, d2=0.639, g=0.822
2/2 [==============================] - 0s 4ms/step
>36, 163/390, d1=0.652, d2=0.639, g=0.846
2/2 [==============================] - 0s 4ms/step
>36, 164/390, d1=0.680, d2=0.656, g=0.889
2/2 [==============================] - 0s 4ms/step
>36, 165/390, d1=0.654, d2=0.625, g=0.887
2/2 [==============================] - 0s 4ms/step
>36, 166/390, d1=0.674, d2=0.639, g=0.821
2/2 [==============================] - 0s 4ms/step
>36, 167/390, d1=0.659, d2=0.715, g=0.860
2/2 [==============================] - 0s 4ms/step
>36, 168/390, d1=0.670, d2=0.637, g=0.831
2/2 [==============================] - 0s 4ms/step
>36, 169/390, d1=0.697, d2=0.642, g=0.897
2/2 [==============================] - 0s 4ms/step
>36, 170/390, d1=0.667, d2=0.688, g=0.908
2/2 [==============================] - 0s 4ms/step
>36, 171/390, d1=0.698, d2=0.615, g=0.890
2/2 [==============================] - 0s 4ms/step
>36, 172/390, d1=0.694, d2=0.646, g=0.888
2/2 [==============================] - 0s 4ms/step
>36, 173/390, d1=0.696, d2=0.590, g=0.824
2/2 [==============================] - 0s 4ms/step
>36, 174/390, d1=0.665, d2=0.671, g=0.830
2/2 [==============================] - 0s 4ms/step
>36, 175/390, d1=0.639, d2=0.611, g=0.846
2/2 [==============================] - 0s 4ms/step
>36, 176/390, d1=0.667, d2=0.717, g=0.894
2/2 [==============================] - 0s 4ms/step
>36, 177/390, d1=0.680, d2=0.668, g=0.843
2/2 [==============================] - 0s 4ms/step
>36, 178/390, d1=0.641, d2=0.723, g=0.823
2/2 [==============================] - 0s 4ms/step
>36, 179/390, d1=0.635, d2=0.737, g=0.868
2/2 [==============================] - 0s 4ms/step
>36, 180/390, d1=0.682, d2=0.640, g=0.874
2/2 [==============================] - 0s 4ms/step
```

```
>36, 181/390, d1=0.690, d2=0.618, g=0.850
2/2 [==============================] - 0s 4ms/step
>36, 182/390, d1=0.700, d2=0.649, g=0.887
2/2 [==============================] - 0s 4ms/step
>36, 183/390, d1=0.609, d2=0.667, g=0.929
2/2 [==============================] - 0s 4ms/step
>36, 184/390, d1=0.718, d2=0.589, g=0.895
2/2 [==============================] - 0s 4ms/step
>36, 185/390, d1=0.720, d2=0.588, g=0.884
2/2 [==============================] - 0s 4ms/step
>36, 186/390, d1=0.655, d2=0.631, g=0.901
2/2 [==============================] - 0s 4ms/step
>36, 187/390, d1=0.733, d2=0.673, g=0.917
2/2 [==============================] - 0s 5ms/step
>36, 188/390, d1=0.669, d2=0.582, g=0.870
2/2 [==============================] - 0s 4ms/step
>36, 189/390, d1=0.660, d2=0.620, g=0.854
2/2 [==============================] - 0s 4ms/step
>36, 190/390, d1=0.634, d2=0.703, g=0.839
2/2 [==============================] - 0s 4ms/step
>36, 191/390, d1=0.647, d2=0.697, g=0.796
2/2 [==============================] - 0s 4ms/step
>36, 192/390, d1=0.647, d2=0.739, g=0.797
2/2 [==============================] - 0s 3ms/step
>36, 193/390, d1=0.677, d2=0.675, g=0.769
2/2 [==============================] - 0s 4ms/step
>36, 194/390, d1=0.663, d2=0.667, g=0.844
2/2 [==============================] - 0s 4ms/step
>36, 195/390, d1=0.653, d2=0.646, g=0.918
2/2 [==============================] - 0s 4ms/step
>36, 196/390, d1=0.500, d2=0.670, g=0.908
2/2 [==============================] - 0s 4ms/step
>36, 197/390, d1=0.513, d2=0.696, g=0.798
2/2 [==============================] - 0s 4ms/step
>36, 198/390, d1=0.486, d2=0.892, g=0.780
2/2 [==============================] - 0s 4ms/step
>36, 199/390, d1=0.546, d2=0.748, g=0.824
2/2 [==============================] - 0s 4ms/step
>36, 200/390, d1=0.645, d2=0.799, g=0.884
2/2 [==============================] - 0s 5ms/step
>36, 201/390, d1=0.796, d2=0.604, g=0.931
2/2 [==============================] - 0s 4ms/step
>36, 202/390, d1=0.764, d2=0.598, g=0.870
2/2 [==============================] - 0s 3ms/step
>36, 203/390, d1=0.723, d2=0.633, g=0.881
2/2 [==============================] - 0s 4ms/step
>36, 204/390, d1=0.723, d2=0.611, g=0.828
2/2 [==============================] - 0s 4ms/step
```

```
>36, 205/390, d1=0.694, d2=0.696, g=0.854
2/2 [==============================] - 0s 4ms/step
>36, 206/390, d1=0.679, d2=0.582, g=0.866
2/2 [==============================] - 0s 3ms/step
>36, 207/390, d1=0.654, d2=0.638, g=0.843
2/2 [==============================] - 0s 5ms/step
>36, 208/390, d1=0.651, d2=0.706, g=0.824
2/2 [==============================] - 0s 4ms/step
>36, 209/390, d1=0.699, d2=0.673, g=0.880
2/2 [==============================] - 0s 4ms/step
>36, 210/390, d1=0.690, d2=0.629, g=0.861
2/2 [==============================] - 0s 4ms/step
>36, 211/390, d1=0.735, d2=0.598, g=0.868
2/2 [==============================] - 0s 4ms/step
>36, 212/390, d1=0.732, d2=0.591, g=0.896
2/2 [==============================] - 0s 3ms/step
>36, 213/390, d1=0.718, d2=0.618, g=0.873
2/2 [==============================] - 0s 4ms/step
>36, 214/390, d1=0.679, d2=0.615, g=0.902
2/2 [==============================] - 0s 3ms/step
>36, 215/390, d1=0.647, d2=0.636, g=0.923
2/2 [==============================] - 0s 4ms/step
>36, 216/390, d1=0.676, d2=0.622, g=0.869
2/2 [==============================] - 0s 4ms/step
>36, 217/390, d1=0.683, d2=0.604, g=0.818
2/2 [==============================] - 0s 4ms/step
>36, 218/390, d1=0.612, d2=0.693, g=0.852
2/2 [==============================] - 0s 4ms/step
>36, 219/390, d1=0.679, d2=0.764, g=0.853
2/2 [==============================] - 0s 4ms/step
>36, 220/390, d1=0.678, d2=0.697, g=0.865
2/2 [==============================] - 0s 4ms/step
>36, 221/390, d1=0.655, d2=0.671, g=0.861
2/2 [==============================] - 0s 4ms/step
>36, 222/390, d1=0.766, d2=0.655, g=0.814
2/2 [==============================] - 0s 4ms/step
>36, 223/390, d1=0.625, d2=0.733, g=0.835
2/2 [==============================] - 0s 4ms/step
>36, 224/390, d1=0.619, d2=0.638, g=0.819
2/2 [==============================] - 0s 4ms/step
>36, 225/390, d1=0.618, d2=0.657, g=0.860
2/2 [==============================] - 0s 4ms/step
>36, 226/390, d1=0.693, d2=0.624, g=0.861
2/2 [==============================] - 0s 4ms/step
>36, 227/390, d1=0.650, d2=0.634, g=0.851
2/2 [==============================] - 0s 4ms/step
>36, 228/390, d1=0.662, d2=0.681, g=0.821
2/2 [==============================] - 0s 4ms/step
```

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>36, 229/390, d1=0.550, d2=0.608, g=0.890
2/2 [==============================] - 0s 4ms/step
>36, 230/390, d1=0.672, d2=0.645, g=0.883
2/2 [==============================] - 0s 4ms/step
>36, 231/390, d1=0.657, d2=0.620, g=0.924
2/2 [==============================] - 0s 4ms/step
>36, 232/390, d1=0.616, d2=0.572, g=1.004
2/2 [==============================] - 0s 4ms/step
>36, 233/390, d1=0.641, d2=0.582, g=0.986
2/2 [==============================] - 0s 4ms/step
>36, 234/390, d1=0.542, d2=0.593, g=0.955
2/2 [==============================] - 0s 4ms/step
>36, 235/390, d1=0.586, d2=0.622, g=0.885
2/2 [==============================] - 0s 4ms/step
>36, 236/390, d1=0.531, d2=0.762, g=0.865
2/2 [==============================] - 0s 4ms/step
>36, 237/390, d1=0.543, d2=0.707, g=0.841
2/2 [==============================] - 0s 4ms/step
>36, 238/390, d1=0.604, d2=0.716, g=0.793
2/2 [==============================] - 0s 4ms/step
>36, 239/390, d1=0.656, d2=0.789, g=0.865
2/2 [==============================] - 0s 4ms/step
>36, 240/390, d1=0.731, d2=0.678, g=0.885
2/2 [==============================] - 0s 4ms/step
>36, 241/390, d1=0.684, d2=0.666, g=0.888
2/2 [==============================] - 0s 4ms/step
>36, 242/390, d1=0.716, d2=0.603, g=0.912
2/2 [==============================] - 0s 4ms/step
>36, 243/390, d1=0.732, d2=0.625, g=0.866
2/2 [==============================] - 0s 4ms/step
>36, 244/390, d1=0.756, d2=0.603, g=0.885
2/2 [==============================] - 0s 3ms/step
>36, 245/390, d1=0.755, d2=0.599, g=0.885
2/2 [==============================] - 0s 4ms/step
>36, 246/390, d1=0.736, d2=0.611, g=0.863
2/2 [==============================] - 0s 4ms/step
>36, 247/390, d1=0.689, d2=0.627, g=0.882
2/2 [==============================] - 0s 4ms/step
>36, 248/390, d1=0.671, d2=0.617, g=0.860
2/2 [==============================] - 0s 4ms/step
>36, 249/390, d1=0.674, d2=0.617, g=0.858
2/2 [==============================] - 0s 4ms/step
>36, 250/390, d1=0.605, d2=0.644, g=0.843
2/2 [==============================] - 0s 4ms/step
>36, 251/390, d1=0.653, d2=0.645, g=0.811
2/2 [==============================] - 0s 4ms/step
>36, 252/390, d1=0.583, d2=0.685, g=0.871
2/2 [==============================] - 0s 4ms/step
```

```
>36, 253/390, d1=0.657, d2=0.694, g=0.827
2/2 [==============================] - 0s 3ms/step
>36, 254/390, d1=0.627, d2=0.651, g=0.858
2/2 [==============================] - 0s 4ms/step
>36, 255/390, d1=0.683, d2=0.694, g=0.896
2/2 [==============================] - 0s 4ms/step
>36, 256/390, d1=0.704, d2=0.596, g=0.888
2/2 [==============================] - 0s 4ms/step
>36, 257/390, d1=0.704, d2=0.631, g=0.917
2/2 [==============================] - 0s 4ms/step
>36, 258/390, d1=0.723, d2=0.643, g=0.864
2/2 [==============================] - 0s 4ms/step
>36, 259/390, d1=0.635, d2=0.642, g=0.872
2/2 [==============================] - 0s 4ms/step
>36, 260/390, d1=0.666, d2=0.653, g=0.872
2/2 [==============================] - 0s 3ms/step
>36, 261/390, d1=0.645, d2=0.615, g=0.855
2/2 [==============================] - 0s 3ms/step
>36, 262/390, d1=0.654, d2=0.648, g=0.845
2/2 [==============================] - 0s 4ms/step
>36, 263/390, d1=0.654, d2=0.647, g=0.868
2/2 [==============================] - 0s 4ms/step
>36, 264/390, d1=0.661, d2=0.662, g=0.827
2/2 [==============================] - 0s 4ms/step
>36, 265/390, d1=0.668, d2=0.659, g=0.822
2/2 [==============================] - 0s 4ms/step
>36, 266/390, d1=0.691, d2=0.631, g=0.833
2/2 [==============================] - 0s 4ms/step
>36, 267/390, d1=0.618, d2=0.671, g=0.846
2/2 [==============================] - 0s 4ms/step
>36, 268/390, d1=0.627, d2=0.696, g=0.822
2/2 [==============================] - 0s 3ms/step
>36, 269/390, d1=0.659, d2=0.677, g=0.797
2/2 [==============================] - 0s 4ms/step
>36, 270/390, d1=0.707, d2=0.614, g=0.824
2/2 [==============================] - 0s 4ms/step
>36, 271/390, d1=0.668, d2=0.695, g=0.850
2/2 [==============================] - 0s 4ms/step
>36, 272/390, d1=0.666, d2=0.666, g=0.889
2/2 [==============================] - 0s 4ms/step
>36, 273/390, d1=0.615, d2=0.688, g=0.918
2/2 [==============================] - 0s 4ms/step
>36, 274/390, d1=0.645, d2=0.581, g=0.927
2/2 [==============================] - 0s 4ms/step
>36, 275/390, d1=0.651, d2=0.570, g=0.954
2/2 [==============================] - 0s 4ms/step
>36, 276/390, d1=0.572, d2=0.576, g=0.900
2/2 [==============================] - 0s 4ms/step
```

```
>36, 277/390, d1=0.557, d2=0.608, g=0.896
2/2 [==============================] - 0s 4ms/step
>36, 278/390, d1=0.598, d2=0.650, g=0.844
2/2 [==============================] - 0s 4ms/step
>36, 279/390, d1=0.589, d2=0.645, g=0.819
2/2 [==============================] - 0s 4ms/step
>36, 280/390, d1=0.549, d2=0.789, g=0.852
2/2 [==============================] - 0s 4ms/step
>36, 281/390, d1=0.644, d2=0.776, g=0.895
2/2 [==============================] - 0s 4ms/step
>36, 282/390, d1=0.634, d2=0.618, g=0.916
2/2 [==============================] - 0s 4ms/step
>36, 283/390, d1=0.638, d2=0.588, g=0.922
2/2 [==============================] - 0s 4ms/step
>36, 284/390, d1=0.644, d2=0.604, g=0.901
2/2 [==============================] - 0s 4ms/step
>36, 285/390, d1=0.625, d2=0.629, g=0.909
2/2 [==============================] - 0s 4ms/step
>36, 286/390, d1=0.685, d2=0.661, g=0.942
2/2 [==============================] - 0s 4ms/step
>36, 287/390, d1=0.723, d2=0.595, g=0.954
2/2 [==============================] - 0s 4ms/step
>36, 288/390, d1=0.649, d2=0.627, g=0.945
2/2 [==============================] - 0s 4ms/step
>36, 289/390, d1=0.723, d2=0.616, g=0.911
2/2 [==============================] - 0s 4ms/step
>36, 290/390, d1=0.658, d2=0.662, g=0.898
2/2 [==============================] - 0s 4ms/step
>36, 291/390, d1=0.744, d2=0.675, g=0.840
2/2 [==============================] - 0s 4ms/step
>36, 292/390, d1=0.675, d2=0.697, g=0.833
2/2 [==============================] - 0s 4ms/step
>36, 293/390, d1=0.721, d2=0.659, g=0.867
2/2 [==============================] - 0s 4ms/step
>36, 294/390, d1=0.683, d2=0.671, g=0.866
2/2 [==============================] - 0s 4ms/step
>36, 295/390, d1=0.687, d2=0.705, g=0.859
2/2 [==============================] - 0s 4ms/step
>36, 296/390, d1=0.648, d2=0.652, g=0.923
2/2 [==============================] - 0s 3ms/step
>36, 297/390, d1=0.644, d2=0.625, g=0.976
2/2 [==============================] - 0s 4ms/step
>36, 298/390, d1=0.629, d2=0.644, g=0.893
2/2 [==============================] - 0s 4ms/step
>36, 299/390, d1=0.750, d2=0.735, g=0.875
2/2 [==============================] - 0s 4ms/step
>36, 300/390, d1=0.695, d2=0.653, g=0.818
2/2 [==============================] - 0s 4ms/step
```

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>36, 301/390, d1=0.751, d2=0.691, g=0.892
2/2 [==============================] - 0s 4ms/step
>36, 302/390, d1=0.682, d2=0.593, g=0.927
2/2 [==============================] - 0s 4ms/step
>36, 303/390, d1=0.689, d2=0.571, g=0.921
2/2 [==============================] - 0s 4ms/step
>36, 304/390, d1=0.694, d2=0.615, g=0.950
2/2 [==============================] - 0s 3ms/step
>36, 305/390, d1=0.691, d2=0.565, g=0.961
2/2 [==============================] - 0s 4ms/step
>36, 306/390, d1=0.645, d2=0.587, g=0.930
2/2 [==============================] - 0s 4ms/step
>36, 307/390, d1=0.662, d2=0.595, g=0.878
2/2 [==============================] - 0s 3ms/step
>36, 308/390, d1=0.680, d2=0.815, g=0.850
2/2 [==============================] - 0s 4ms/step
>36, 309/390, d1=0.653, d2=0.720, g=0.917
2/2 [==============================] - 0s 4ms/step
>36, 310/390, d1=0.708, d2=0.628, g=0.923
2/2 [==============================] - 0s 4ms/step
>36, 311/390, d1=0.715, d2=0.665, g=0.869
2/2 [==============================] - 0s 4ms/step
>36, 312/390, d1=0.701, d2=0.667, g=0.846
2/2 [==============================] - 0s 4ms/step
>36, 313/390, d1=0.726, d2=0.623, g=0.852
2/2 [==============================] - 0s 4ms/step
>36, 314/390, d1=0.649, d2=0.626, g=0.851
2/2 [==============================] - 0s 4ms/step
>36, 315/390, d1=0.635, d2=0.747, g=0.841
2/2 [==============================] - 0s 4ms/step
>36, 316/390, d1=0.646, d2=0.660, g=0.876
2/2 [==============================] - 0s 4ms/step
>36, 317/390, d1=0.532, d2=0.599, g=0.840
2/2 [==============================] - 0s 4ms/step
>36, 318/390, d1=0.568, d2=0.742, g=0.833
2/2 [==============================] - 0s 4ms/step
>36, 319/390, d1=0.584, d2=0.761, g=0.863
2/2 [==============================] - 0s 4ms/step
>36, 320/390, d1=0.619, d2=0.669, g=0.879
2/2 [==============================] - 0s 4ms/step
>36, 321/390, d1=0.553, d2=0.654, g=0.883
2/2 [==============================] - 0s 4ms/step
>36, 322/390, d1=0.675, d2=0.647, g=0.971
2/2 [==============================] - 0s 4ms/step
>36, 323/390, d1=0.711, d2=0.597, g=1.031
2/2 [==============================] - 0s 4ms/step
>36, 324/390, d1=0.720, d2=0.526, g=1.031
2/2 [==============================] - 0s 4ms/step
```

```
>36, 325/390, d1=0.686, d2=0.555, g=1.022
2/2 [==============================] - 0s 5ms/step
>36, 326/390, d1=0.694, d2=0.545, g=0.955
2/2 [==============================] - 0s 4ms/step
>36, 327/390, d1=0.626, d2=0.631, g=0.924
2/2 [==============================] - 0s 3ms/step
>36, 328/390, d1=0.635, d2=0.607, g=0.839
2/2 [==============================] - 0s 4ms/step
>36, 329/390, d1=0.632, d2=0.859, g=0.922
2/2 [==============================] - 0s 4ms/step
>36, 330/390, d1=0.590, d2=0.569, g=0.925
2/2 [==============================] - 0s 4ms/step
>36, 331/390, d1=0.622, d2=0.599, g=0.899
2/2 [==============================] - 0s 4ms/step
>36, 332/390, d1=0.551, d2=0.628, g=0.876
2/2 [==============================] - 0s 4ms/step
>36, 333/390, d1=0.631, d2=0.678, g=0.924
2/2 [==============================] - 0s 3ms/step
>36, 334/390, d1=0.682, d2=0.682, g=0.887
2/2 [==============================] - 0s 4ms/step
>36, 335/390, d1=0.644, d2=0.672, g=0.920
2/2 [==============================] - 0s 4ms/step
>36, 336/390, d1=0.599, d2=0.712, g=0.897
2/2 [==============================] - 0s 4ms/step
>36, 337/390, d1=0.659, d2=0.557, g=0.950
2/2 [==============================] - 0s 4ms/step
>36, 338/390, d1=0.661, d2=0.607, g=0.912
2/2 [==============================] - 0s 4ms/step
>36, 339/390, d1=0.700, d2=0.579, g=0.952
2/2 [==============================] - 0s 4ms/step
>36, 340/390, d1=0.684, d2=0.638, g=0.925
2/2 [==============================] - 0s 4ms/step
>36, 341/390, d1=0.689, d2=0.642, g=0.858
2/2 [==============================] - 0s 4ms/step
>36, 342/390, d1=0.639, d2=0.780, g=0.844
2/2 [==============================] - 0s 4ms/step
>36, 343/390, d1=0.656, d2=0.665, g=0.893
2/2 [==============================] - 0s 4ms/step
>36, 344/390, d1=0.686, d2=0.690, g=0.890
2/2 [==============================] - 0s 4ms/step
>36, 345/390, d1=0.682, d2=0.619, g=0.862
2/2 [==============================] - 0s 5ms/step
>36, 346/390, d1=0.735, d2=0.607, g=0.952
2/2 [==============================] - 0s 4ms/step
>36, 347/390, d1=0.765, d2=0.600, g=0.915
2/2 [==============================] - 0s 4ms/step
>36, 348/390, d1=0.707, d2=0.563, g=0.915
2/2 [==============================] - 0s 4ms/step
```

```
>36, 349/390, d1=0.675, d2=0.672, g=0.901
2/2 [==============================] - 0s 4ms/step
>36, 350/390, d1=0.697, d2=0.609, g=0.887
2/2 [==============================] - 0s 4ms/step
>36, 351/390, d1=0.647, d2=0.711, g=0.902
2/2 [==============================] - 0s 4ms/step
>36, 352/390, d1=0.680, d2=0.630, g=0.898
2/2 [==============================] - 0s 4ms/step
>36, 353/390, d1=0.710, d2=0.691, g=0.892
2/2 [==============================] - 0s 4ms/step
>36, 354/390, d1=0.721, d2=0.750, g=0.898
2/2 [==============================] - 0s 4ms/step
>36, 355/390, d1=0.713, d2=0.578, g=0.937
2/2 [==============================] - 0s 4ms/step
>36, 356/390, d1=0.662, d2=0.590, g=0.880
2/2 [==============================] - 0s 4ms/step
>36, 357/390, d1=0.630, d2=0.621, g=0.916
2/2 [==============================] - 0s 4ms/step
>36, 358/390, d1=0.573, d2=0.641, g=0.897
2/2 [==============================] - 0s 4ms/step
```

```
---------------------------------------------------------------------------
KeyboardInterrupt                         Traceback (most recent call last)
<ipython-input-36-b6bde1cc9332> in <cell line: 1>()
----> 1 train(g_model, gan_model, dataset, latent_dim, n_epochs=200, n_batch=12

<ipython-input-33-1f5d8c8b25f3> in train(g_model, gan_model, dataset,␣
 ↪latent_dim, n_epochs, n_batch)
     14       X_fake, y_fake = generate_fake_images(g_model,latent_dim,␣
 ↪half_batch)
     15       #update discriminator model weights
---> 16       d_loss2,_ = d_model.train_on_batch(X_fake, y_fake)
     17       #prepare points in the latent space as input for the generator
     18       X_gan = generate_latent_points(latent_dim, n_batch)

/usr/local/lib/python3.10/dist-packages/keras/engine/training.py in␣
 ↪train_on_batch(self, x, y, sample_weight, class_weight, reset_metrics,␣
 ↪return_dict)
   2508             )
   2509             self.train_function = self.make_train_function()
-> 2510             logs = self.train_function(iterator)
   2511
   2512         logs = tf_utils.sync_to_numpy_or_python_type(logs)

/usr/local/lib/python3.10/dist-packages/tensorflow/python/util/traceback_utils.
 ↪py in error_handler(*args, **kwargs)
    148     filtered_tb = None
    149     try:
```

```
--> 150       return fn(*args, **kwargs)
    151     except Exception as e:
    152       filtered_tb = _process_traceback_frames(e.__traceback__)

/usr/local/lib/python3.10/dist-packages/tensorflow/python/eager/
 ↪polymorphic_function/polymorphic_function.py in __call__(self, *args, **kwds)
    892
    893       with OptionalXlaContext(self._jit_compile):
--> 894         result = self._call(*args, **kwds)
    895
    896       new_tracing_count = self.experimental_get_tracing_count()

/usr/local/lib/python3.10/dist-packages/tensorflow/python/eager/
 ↪polymorphic_function/polymorphic_function.py in _call(self, *args, **kwds)
    924       # In this case we have created variables on the first call, so we
 ↪run the
    925       # defunned version which is guaranteed to never create variables.
--> 926       return self._no_variable_creation_fn(*args, **kwds)  # pylint:␣
 ↪disable=not-callable
    927     elif self._variable_creation_fn is not None:
    928       # Release the lock early so that multiple threads can perform the
 ↪call

/usr/local/lib/python3.10/dist-packages/tensorflow/python/eager/
 ↪polymorphic_function/tracing_compiler.py in __call__(self, *args, **kwargs)
    141       (concrete_function,
    142        filtered_flat_args) = self._maybe_define_function(args, kwargs)
--> 143     return concrete_function._call_flat(
    144         filtered_flat_args, captured_inputs=concrete_function.
 ↪captured_inputs)  # pylint: disable=protected-access
    145

/usr/local/lib/python3.10/dist-packages/tensorflow/python/eager/
 ↪polymorphic_function/monomorphic_function.py in _call_flat(self, args,␣
 ↪captured_inputs, cancellation_manager)
   1755         and executing_eagerly):
   1756       # No tape is watching; skip to running the function.
-> 1757       return self._build_call_outputs(self._inference_function.call(
   1758           ctx, args, cancellation_manager=cancellation_manager))
   1759     forward_backward = self._select_forward_and_backward_functions(

/usr/local/lib/python3.10/dist-packages/tensorflow/python/eager/
 ↪polymorphic_function/monomorphic_function.py in call(self, ctx, args,␣
 ↪cancellation_manager)
    379       with _InterpolateFunctionError(self):
    380         if cancellation_manager is None:
```

```
--> 381           outputs = execute.execute(
    382               str(self.signature.name),
    383               num_outputs=self._num_outputs,

/usr/local/lib/python3.10/dist-packages/tensorflow/python/eager/execute.py in␣
 ↪quick_execute(op_name, num_outputs, inputs, attrs, ctx, name)
     50   try:
     51     ctx.ensure_initialized()
---> 52     tensors = pywrap_tfe.TFE_Py_Execute(ctx._handle, device_name,␣
 ↪op_name,
     53                                         inputs, attrs, num_outputs)
     54   except core._NotOkStatusException as e:

KeyboardInterrupt:
```

1 Generation after training

[ ]:
```
from keras.models import load_model
from numpy.random import randn
from matplotlib import pyplot


def generate_latent_points(latent_dim, n_samples):
  x_input = randn(latent_dim * n_samples)
  x_input = x_input.reshape(n_samples, latent_dim)
  return x_input


def
 (examples, n):
  for i in range(n * n):
    pyplot.subplot(n,n,1+i)
    pyplot.axis("off")
    pyplot.imshow(examples[i, :, :])
  pyplot.show()


#load model
model = load_model("/content/generator_model_010.h5")
latent_point = generate_latent_points(100,100)
X = model.predict(latent_point)

X = (X+1)/2.0
create_plot(X,1)
```

```
X.shape[0]
```

[ ]: