En este ejemplo vamos a tratar de generar imágenes similares a las del dataset de ropa FashionMNIST.

Pero esta vez lo váis a hacer vosotros :)

In [1]:
```
# importamos las librerías necesarias
import numpy as np
# buscad el dataset Fashion MNIST disponible en Keras e importadlo
from tensorflow.keras.datasets.fashion_mnist import load_data
# https://keras.io/datasets/
from tensorflow.keras.optimizers import Adam
from tensorflow.keras.models import Sequential
from tensorflow.keras.layers import Dense, Reshape, Flatten, Conv2D, Conv2DTranspos
import matplotlib.pyplot as plt
```

In [12]:
```
# # definimos el generador
# def define_generator(latent_dim):

#     model = Sequential(name="GENERATOR")

#     n_nodes = 128 * 7 * 7

#     # Bloque 1
#     model.add(Dense(n_nodes, input_dim=latent_dim))
#     model.add(LeakyReLU(alpha=0.2))
#     model.add(Reshape((7, 7, 128)))

#     # aumentamos a 14x14
#     model.add(Conv2DTranspose(128, (4,4), strides=(2,2), padding='same'))
#     model.add(LeakyReLU(alpha=0.2))
#     # aumentamos a 28x28 (el tamaño deseado final, ya que es el mismo que el de
#     # las imágenes del MNIST)
#     model.add(Conv2DTranspose(128, (4,4), strides=(2,2), padding='same'))
#     model.add(LeakyReLU(alpha=0.2))
#     model.add(Conv2D(1, (7,7), activation='sigmoid', padding='same'))

#     model.summary()

#     return model

# definimos el generador
def define_generator(latent_dim):

    model = Sequential(name="GENERATOR")

    n_nodes = 128 * 7 * 7

    # Bloque 1
    model.add(Dense(n_nodes, input_dim=latent_dim))
    model.add(LeakyReLU(alpha=0.2))
    model.add(Reshape((7, 7, 128)))
    model.add(BatchNormalization(momentum=0.8))

    # Bloque 2
    # aumentamos a 14x14
    model.add(Conv2DTranspose(128, (3,3), padding='same'))
    model.add(LeakyReLU(alpha=0.2))
    model.add(BatchNormalization(momentum=0.8))
```

```
    model.add(UpSampling2D((2,2)))

    # Bloque 3
    # aumentamos a 28x28 (el tamaño deseado final, ya que es el mismo que el de
    # las imágenes del FashionMNIST)
    model.add(Conv2DTranspose(128, (3,3), padding='same'))
    model.add(LeakyReLU(alpha=0.2))
    model.add(BatchNormalization(momentum=0.8))
    model.add(UpSampling2D((2,2)))

    # Top model
    model.add(Conv2D(1, (7,7), activation='sigmoid', padding='same'))

    model.summary()

    return model
```

In [13]:
```
# definimos el discriminador: en este caso va a ser convolucional
def define_discriminator(in_shape=(28,28,1)):

    model = Sequential(name="DISCRIMINATOR")

    # Bloque 1
    model.add(Conv2D(128, (3,3), input_shape=in_shape, padding='same'))
    model.add(LeakyReLU(alpha=0.2))
    model.add(BatchNormalization(momentum=0.8))
    model.add(MaxPooling2D((2,2)))
    model.add(Dropout(0.25))

    # Bloque 2
    model.add(Conv2D(128, (3,3), padding='same'))
    model.add(LeakyReLU(alpha=0.2))
    model.add(BatchNormalization(momentum=0.8))
    model.add(MaxPooling2D((2,2)))
    model.add(Dropout(0.25))

    # Top model
    model.add(Flatten())
    model.add(Dense(1, activation='sigmoid'))

    # compilamos el modelo
    opt = Adam(lr=1e-4, beta_1=0.5)
    model.compile(loss='binary_crossentropy', optimizer=opt, metrics=['accuracy'])

    model.summary()

    return model
```

In [14]:
```
# definimos el modelo GAN combinando generador y discriminador, para entrenar el ge
def define_gan(g_model, d_model):
    # Así que congelamos el discriminador:
    d_model.trainable = False
    # ahora conectamos el G(z) al D(x)
    model = Sequential()
    # añadimos el generador primero: él es el encargado de generar una muestra
    # a partir del espacio latente
    model.add(g_model)
    # y el discriminador después: le introducimos la muestra generada por el
    # G(z) para que nos diga si cree que es real o fake
    model.add(d_model)
    # y ahora sí, compilamos el modelo
    model.compile(loss='binary_crossentropy', optimizer=Adam(lr=0.0002, beta_1=0.5)
```

```
    return model
```

In [15]:
```
# definimos las funciones para cargar el MNIST
def load_real_samples():
    # load mnist dataset
    (trainX, _), (_, _) = load_data()
    # expand to 3d, e.g. add channels dimension
    X = np.expand_dims(trainX, axis=-1)
    # convert from unsigned ints to floats
    X = X.astype('float32')
    # scale from [0,255] to [0,1]
    X = X / 255.0
    return X

# nos creamos una función que nos devuelva n_samples del dataset con sus
# etiquetas (1)
def generate_real_samples(dataset, n_samples):
    # seleccionamos n_samples muestras aleatoriamente
    ix = np.random.randint(0, dataset.shape[0], n_samples)
    # las cogemos
    X = dataset[ix]
    # generamos las etiquetas reales (1)
    y = np.ones((n_samples, 1))
    return X, y
```

In [16]:
```
# generamos los vectores latentes que introduciremos al generador
def generate_latent_points(latent_dim, batch_size):
    # generamos un vector de batch_size * latent_dim números aleatorios
    # latent_dim es la dimensión del vector latente
    # batch_size es el número de elementos por batch
    x_input = np.random.randn(latent_dim * batch_size)
    # redimensionamos el vector para que tenga un tamaño (batch_size, latent_dim)
    x_input = x_input.reshape(batch_size, latent_dim)
    return x_input

# creamos datos fake con el generador (dinero falsificado)
def generate_fake_samples(g_model, latent_dim, n_samples):
    # usamos la función anterior para generar los vectores latentes que
    # necesitamos para generar muestras fake
    x_input = generate_latent_points(latent_dim, n_samples)
    # le introducimos los vectores latentes al generador para obtener
    # muestras similares a las reales
    X = g_model.predict(x_input)
    # le asignamos la etiqueta 0 (porque utilizaremos esta función para
    # entrenar el D)
    y = np.zeros((n_samples, 1))
    return X, y
```

In [17]:
```
# función para guardar las imágenes generadas
def save_plot(examples, epoch, n=10):
    for i in range(n * n):
        plt.subplot(n, n, 1 + i)
        plt.axis('off')
        plt.imshow(examples[i, :, :, 0], cmap='gray_r')
    # guardamos las imágenes
    filename = 'generated_plot_e%03d.png' % (epoch+1)
    plt.savefig(filename)
    plt.close()
```

In [23]:
```
# función para entrenar la GAN: el discriminador y el generador
def train(g_model, d_model, gan_model, dataset, latent_dim, n_epochs=100, n_batch=1
```

```
    bat_per_epo = int(dataset.shape[0] / n_batch)
    half_batch = int(n_batch / 2)
    # bucle para las epochs
    for epoch in range(n_epochs):
        # bucle para los batch
        for batch in range(bat_per_epo):
            # preparamos los datos reales
            X_real, y_real = generate_real_samples(dataset, half_batch)
            # generamos 'half_batch' datos falsos
            X_fake, y_fake = generate_fake_samples(g_model, latent_dim, half_batch)
            # juntamos las imágenes/etiquetas reales con las falsas
            X, y = np.vstack((X_real, X_fake)), np.vstack((y_real, y_fake))
            # actualizamos los pesos del discriminador
            d_loss, _ = d_model.train_on_batch(X, y)
            # preparamos los puntos en el espacio latente: serán la entrada al
            # modelo GAN con el que entrenaremos el generador
            X_gan = generate_latent_points(latent_dim, n_batch)
            # creamos etiquetas invertidas para el generador: utilizamos el D(x)
            # para que piense que las muestras que le introducimos son reales, y
            # en caso de que diga que no son reales, aprovechamos la información
            # de sus gradientes para actualizar el G(z) para que la próxima vez
            # los datos generados por G(z) sean más plausibles (parecidos a los
            # reales)
            y_gan = np.ones((n_batch, 1))
            # como acabamos de ver, entrenamos el generador de forma que actualice
            # sus pesos usando los gradientes del discriminador
            # tened en cuenta que en este modelo (gan_model) el discriminador está
            # congelado, por lo que no se actualizan sus pesos: no queremos "untar"
            # a nuestro policía, lo que queremos es fabricar dinero más realista.
            g_loss = gan_model.train_on_batch(X_gan, y_gan)
            # mostramos el progreso
            print('>%d, %d/%d, d=%.3f, g=%.3f' % (epoch+1, batch+1, bat_per_epo, d_

        # evaluamos el desempeño del modelo cada 10 épocas
        if (epoch+1) % 10 == 0 or epoch == 0:
            # preparamos ejemplos reales
            X_real, y_real = generate_real_samples(dataset, n_batch)
            # evaluamos el discriminador con datos reales
            _, acc_real = d_model.evaluate(X_real, y_real, verbose=0)
            # preparamos ejemplos fake
            x_fake, y_fake = generate_fake_samples(g_model, latent_dim, n_batch)
            # evaluamos el discriminador con datos fake
            _, acc_fake = d_model.evaluate(x_fake, y_fake, verbose=0)
            # mostramos cómo de bueno es nuestro policía
            print('>Accuracy real: %.0f%%, fake: %.0f%%' % (acc_real*100, acc_fake*
            # guardamos las imágenes generadas
            save_plot(x_fake, epoch)
            # guardamos el generador para tenerlo disponible más tarde
            filename = 'generator_model_%03d.h5' % (epoch + 1)
            g_model.save(filename)
```

In [24]:

```
# size of the latent space
latent_dim = 100
# create the discriminator
d_model = define_discriminator()
# create the generator
g_model = define_generator(latent_dim)
# create the gan
gan_model = define_gan(g_model, d_model)
# load image data
dataset = load_real_samples()
```

```
WARNING:absl:`lr` is deprecated in Keras optimizer, please use `learning_rate` or
use the legacy optimizer, e.g.,tf.keras.optimizers.legacy.Adam.
```

Model: "DISCRIMINATOR"

Layer (type)	Output Shape	Param #
conv2d_6 (Conv2D)	(None, 28, 28, 128)	1280
leaky_re_lu_10 (LeakyReLU)	(None, 28, 28, 128)	0
batch_normalization_9 (BatchNormalization)	(None, 28, 28, 128)	512
max_pooling2d_4 (MaxPooling2D)	(None, 14, 14, 128)	0
dropout_4 (Dropout)	(None, 14, 14, 128)	0
conv2d_7 (Conv2D)	(None, 14, 14, 128)	147584
leaky_re_lu_11 (LeakyReLU)	(None, 14, 14, 128)	0
batch_normalization_10 (BatchNormalization)	(None, 14, 14, 128)	512
max_pooling2d_5 (MaxPooling2D)	(None, 7, 7, 128)	0
dropout_5 (Dropout)	(None, 7, 7, 128)	0
flatten_2 (Flatten)	(None, 6272)	0
dense_4 (Dense)	(None, 1)	6273

Total params: 156161 (610.00 KB)
Trainable params: 155649 (608.00 KB)
Non-trainable params: 512 (2.00 KB)

Model: "GENERATOR"

Layer (type)	Output Shape	Param #
dense_5 (Dense)	(None, 6272)	633472
leaky_re_lu_12 (LeakyReLU)	(None, 6272)	0
reshape_2 (Reshape)	(None, 7, 7, 128)	0
batch_normalization_11 (BatchNormalization)	(None, 7, 7, 128)	512
conv2d_transpose_4 (Conv2DTranspose)	(None, 7, 7, 128)	147584
leaky_re_lu_13 (LeakyReLU)	(None, 7, 7, 128)	0
batch_normalization_12 (BatchNormalization)	(None, 7, 7, 128)	512
up_sampling2d_4 (UpSampling2D)	(None, 14, 14, 128)	0
conv2d_transpose_5 (Conv2DTranspose)	(None, 14, 14, 128)	147584

```
 leaky_re_lu_14 (LeakyReLU)  (None, 14, 14, 128)       0

 batch_normalization_13 (Ba  (None, 14, 14, 128)       512
 tchNormalization)

 up_sampling2d_5 (UpSamplin  (None, 28, 28, 128)       0
 g2D)

 conv2d_8 (Conv2D)           (None, 28, 28, 1)         6273

=================================================================
Total params: 936449 (3.57 MB)
Trainable params: 935681 (3.57 MB)
Non-trainable params: 768 (3.00 KB)
_________________________________________________________________
```

```
WARNING:absl:`lr` is deprecated in Keras optimizer, please use `learning_rate` or
use the legacy optimizer, e.g.,tf.keras.optimizers.legacy.Adam.
```

In [25]:

```
# train model
train(g_model, d_model, gan_model, dataset, latent_dim, n_epochs=30)
```

```
2/2 [==============================] - 0s 9ms/step
>1, 1/468, d=1.963, g=0.742
2/2 [==============================] - 0s 6ms/step
>1, 2/468, d=0.149, g=0.755
2/2 [==============================] - 0s 5ms/step
>1, 3/468, d=0.157, g=0.709
2/2 [==============================] - 0s 5ms/step
>1, 4/468, d=0.577, g=0.509
2/2 [==============================] - 0s 6ms/step
>1, 5/468, d=0.235, g=0.340
2/2 [==============================] - 0s 5ms/step
>1, 6/468, d=0.011, g=0.222
2/2 [==============================] - 0s 7ms/step
>1, 7/468, d=0.005, g=0.154
2/2 [==============================] - 0s 6ms/step
>1, 8/468, d=0.003, g=0.101
2/2 [==============================] - 0s 6ms/step
>1, 9/468, d=0.002, g=0.057
2/2 [==============================] - 0s 6ms/step
>1, 10/468, d=0.002, g=0.034
2/2 [==============================] - 0s 8ms/step
>1, 11/468, d=0.002, g=0.016
2/2 [==============================] - 0s 9ms/step
>1, 12/468, d=0.013, g=0.007
2/2 [==============================] - 0s 5ms/step
>1, 13/468, d=0.001, g=0.003
2/2 [==============================] - 0s 5ms/step
>1, 14/468, d=0.001, g=0.001
2/2 [==============================] - 0s 6ms/step
>1, 15/468, d=0.002, g=0.000
2/2 [==============================] - 0s 5ms/step
>1, 16/468, d=0.024, g=0.000
2/2 [==============================] - 0s 5ms/step
>1, 17/468, d=0.087, g=0.000
2/2 [==============================] - 0s 4ms/step
>1, 18/468, d=0.552, g=0.000
2/2 [==============================] - 0s 6ms/step
>1, 19/468, d=0.569, g=0.000
2/2 [==============================] - 0s 5ms/step
>1, 20/468, d=0.433, g=0.000
2/2 [==============================] - 0s 9ms/step
>1, 21/468, d=0.406, g=0.000
2/2 [==============================] - 0s 5ms/step
>1, 22/468, d=0.547, g=0.011
2/2 [==============================] - 0s 6ms/step
>1, 23/468, d=0.643, g=1.635
2/2 [==============================] - 0s 8ms/step
>1, 24/468, d=1.467, g=11.680
2/2 [==============================] - 0s 5ms/step
>1, 25/468, d=1.878, g=8.829
2/2 [==============================] - 0s 7ms/step
>1, 26/468, d=1.218, g=5.241
2/2 [==============================] - 0s 6ms/step
>1, 27/468, d=0.778, g=6.554
2/2 [==============================] - 0s 5ms/step
>1, 28/468, d=0.547, g=5.595
2/2 [==============================] - 0s 6ms/step
>1, 29/468, d=0.829, g=3.538
2/2 [==============================] - 0s 6ms/step
>1, 30/468, d=0.388, g=2.470
2/2 [==============================] - 0s 6ms/step
>1, 31/468, d=0.348, g=2.225
2/2 [==============================] - 0s 5ms/step
>1, 32/468, d=0.424, g=2.509
```

```
2/2 [==============================] - 0s 5ms/step
>1, 33/468, d=0.238, g=2.874
2/2 [==============================] - 0s 6ms/step
>1, 34/468, d=0.688, g=0.948
2/2 [==============================] - 0s 6ms/step
>1, 35/468, d=0.526, g=1.541
2/2 [==============================] - 0s 4ms/step
>1, 36/468, d=0.507, g=2.739
2/2 [==============================] - 0s 4ms/step
>1, 37/468, d=0.725, g=1.554
2/2 [==============================] - 0s 6ms/step
>1, 38/468, d=0.624, g=2.297
2/2 [==============================] - 0s 6ms/step
>1, 39/468, d=0.504, g=2.566
2/2 [==============================] - 0s 5ms/step
>1, 40/468, d=0.670, g=1.453
2/2 [==============================] - 0s 5ms/step
>1, 41/468, d=0.638, g=2.315
2/2 [==============================] - 0s 8ms/step
>1, 42/468, d=0.511, g=3.710
2/2 [==============================] - 0s 6ms/step
>1, 43/468, d=0.778, g=2.390
2/2 [==============================] - 0s 7ms/step
>1, 44/468, d=0.774, g=4.540
2/2 [==============================] - 0s 4ms/step
>1, 45/468, d=0.832, g=1.102
2/2 [==============================] - 0s 5ms/step
>1, 46/468, d=0.910, g=3.375
2/2 [==============================] - 0s 6ms/step
>1, 47/468, d=0.619, g=2.274
2/2 [==============================] - 0s 7ms/step
>1, 48/468, d=0.518, g=2.030
2/2 [==============================] - 0s 6ms/step
>1, 49/468, d=0.642, g=2.921
2/2 [==============================] - 0s 6ms/step
>1, 50/468, d=0.486, g=2.223
2/2 [==============================] - 0s 7ms/step
>1, 51/468, d=0.569, g=2.921
2/2 [==============================] - 0s 4ms/step
>1, 52/468, d=0.472, g=2.497
2/2 [==============================] - 0s 6ms/step
>1, 53/468, d=0.539, g=2.698
2/2 [==============================] - 0s 6ms/step
>1, 54/468, d=0.561, g=3.980
2/2 [==============================] - 0s 6ms/step
>1, 55/468, d=0.541, g=2.572
2/2 [==============================] - 0s 6ms/step
>1, 56/468, d=0.731, g=3.269
2/2 [==============================] - 0s 5ms/step
>1, 57/468, d=0.502, g=4.266
2/2 [==============================] - 0s 6ms/step
>1, 58/468, d=0.625, g=2.458
2/2 [==============================] - 0s 7ms/step
>1, 59/468, d=0.715, g=3.169
2/2 [==============================] - 0s 5ms/step
>1, 60/468, d=0.797, g=2.066
2/2 [==============================] - 0s 5ms/step
>1, 61/468, d=0.587, g=3.673
2/2 [==============================] - 0s 5ms/step
>1, 62/468, d=0.549, g=2.088
2/2 [==============================] - 0s 6ms/step
>1, 63/468, d=0.583, g=1.645
2/2 [==============================] - 0s 5ms/step
>1, 64/468, d=0.328, g=3.127
```

```
2/2 [==============================] - 0s 5ms/step
>1, 65/468, d=0.568, g=1.971
2/2 [==============================] - 0s 5ms/step
>1, 66/468, d=0.353, g=2.639
2/2 [==============================] - 0s 6ms/step
>1, 67/468, d=0.439, g=1.670
2/2 [==============================] - 0s 6ms/step
>1, 68/468, d=0.485, g=2.169
2/2 [==============================] - 0s 6ms/step
>1, 69/468, d=0.565, g=1.707
2/2 [==============================] - 0s 6ms/step
>1, 70/468, d=0.540, g=2.761
2/2 [==============================] - 0s 6ms/step
>1, 71/468, d=0.590, g=1.406
2/2 [==============================] - 0s 6ms/step
>1, 72/468, d=0.713, g=4.204
2/2 [==============================] - 0s 6ms/step
>1, 73/468, d=0.623, g=2.105
2/2 [==============================] - 0s 6ms/step
>1, 74/468, d=0.754, g=1.817
2/2 [==============================] - 0s 5ms/step
>1, 75/468, d=0.653, g=2.343
2/2 [==============================] - 0s 4ms/step
>1, 76/468, d=0.586, g=2.700
2/2 [==============================] - 0s 6ms/step
>1, 77/468, d=0.712, g=1.252
2/2 [==============================] - 0s 6ms/step
>1, 78/468, d=0.661, g=2.641
2/2 [==============================] - 0s 6ms/step
>1, 79/468, d=0.766, g=1.468
2/2 [==============================] - 0s 7ms/step
>1, 80/468, d=0.491, g=2.009
2/2 [==============================] - 0s 5ms/step
>1, 81/468, d=0.542, g=1.864
2/2 [==============================] - 0s 6ms/step
>1, 82/468, d=0.661, g=1.339
2/2 [==============================] - 0s 7ms/step
>1, 83/468, d=0.639, g=4.252
2/2 [==============================] - 0s 5ms/step
>1, 84/468, d=0.577, g=3.027
2/2 [==============================] - 0s 5ms/step
>1, 85/468, d=0.325, g=2.362
2/2 [==============================] - 0s 5ms/step
>1, 86/468, d=0.320, g=2.593
2/2 [==============================] - 0s 5ms/step
>1, 87/468, d=0.290, g=2.560
2/2 [==============================] - 0s 5ms/step
>1, 88/468, d=0.268, g=2.291
2/2 [==============================] - 0s 11ms/step
>1, 89/468, d=0.308, g=1.366
2/2 [==============================] - 0s 7ms/step
>1, 90/468, d=0.356, g=2.813
2/2 [==============================] - 0s 4ms/step
>1, 91/468, d=0.261, g=2.655
2/2 [==============================] - 0s 5ms/step
>1, 92/468, d=0.355, g=6.881
2/2 [==============================] - 0s 5ms/step
>1, 93/468, d=0.788, g=2.213
2/2 [==============================] - 0s 5ms/step
>1, 94/468, d=1.209, g=2.266
2/2 [==============================] - 0s 5ms/step
>1, 95/468, d=0.522, g=2.929
2/2 [==============================] - 0s 8ms/step
>1, 96/468, d=0.511, g=1.476
```

```
2/2 [==============================] - 0s 10ms/step
>1, 97/468, d=0.381, g=3.648
2/2 [==============================] - 0s 5ms/step
>1, 98/468, d=0.503, g=2.597
2/2 [==============================] - 0s 6ms/step
>1, 99/468, d=0.709, g=2.000
2/2 [==============================] - 0s 5ms/step
>1, 100/468, d=0.600, g=4.029
2/2 [==============================] - 0s 8ms/step
>1, 101/468, d=0.643, g=2.885
2/2 [==============================] - 0s 6ms/step
>1, 102/468, d=0.359, g=1.833
2/2 [==============================] - 0s 7ms/step
>1, 103/468, d=0.429, g=5.326
2/2 [==============================] - 0s 5ms/step
>1, 104/468, d=0.874, g=2.588
2/2 [==============================] - 0s 6ms/step
>1, 105/468, d=0.598, g=2.649
2/2 [==============================] - 0s 6ms/step
>1, 106/468, d=1.143, g=5.518
2/2 [==============================] - 0s 6ms/step
>1, 107/468, d=0.645, g=4.232
2/2 [==============================] - 0s 5ms/step
>1, 108/468, d=0.534, g=1.384
2/2 [==============================] - 0s 6ms/step
>1, 109/468, d=0.637, g=5.234
2/2 [==============================] - 0s 7ms/step
>1, 110/468, d=0.580, g=3.680
2/2 [==============================] - 0s 6ms/step
>1, 111/468, d=0.336, g=3.137
2/2 [==============================] - 0s 7ms/step
>1, 112/468, d=0.271, g=3.137
2/2 [==============================] - 0s 8ms/step
>1, 113/468, d=0.537, g=3.570
2/2 [==============================] - 0s 4ms/step
>1, 114/468, d=0.452, g=2.903
2/2 [==============================] - 0s 4ms/step
>1, 115/468, d=0.324, g=4.766
2/2 [==============================] - 0s 6ms/step
>1, 116/468, d=0.277, g=5.541
2/2 [==============================] - 0s 6ms/step
>1, 117/468, d=0.492, g=2.717
2/2 [==============================] - 0s 6ms/step
>1, 118/468, d=0.437, g=4.232
2/2 [==============================] - 0s 6ms/step
>1, 119/468, d=0.230, g=4.276
2/2 [==============================] - 0s 7ms/step
>1, 120/468, d=0.263, g=3.000
2/2 [==============================] - 0s 6ms/step
>1, 121/468, d=0.305, g=3.533
2/2 [==============================] - 0s 5ms/step
>1, 122/468, d=0.384, g=2.260
2/2 [==============================] - 0s 5ms/step
>1, 123/468, d=0.435, g=1.223
2/2 [==============================] - 0s 5ms/step
>1, 124/468, d=0.452, g=2.782
2/2 [==============================] - 0s 7ms/step
>1, 125/468, d=0.446, g=4.262
2/2 [==============================] - 0s 5ms/step
>1, 126/468, d=0.426, g=2.362
2/2 [==============================] - 0s 6ms/step
>1, 127/468, d=0.473, g=1.458
2/2 [==============================] - 0s 4ms/step
>1, 128/468, d=0.543, g=7.390
```

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2/2 [==============================] - 0s 7ms/step
>1, 129/468, d=1.139, g=4.537
2/2 [==============================] - 0s 4ms/step
>1, 130/468, d=0.309, g=5.115
2/2 [==============================] - 0s 7ms/step
>1, 131/468, d=0.294, g=4.609
2/2 [==============================] - 0s 6ms/step
>1, 132/468, d=0.431, g=5.176
2/2 [==============================] - 0s 7ms/step
>1, 133/468, d=0.749, g=2.362
2/2 [==============================] - 0s 10ms/step
>1, 134/468, d=0.627, g=3.923
2/2 [==============================] - 0s 7ms/step
>1, 135/468, d=0.547, g=6.080
2/2 [==============================] - 0s 8ms/step
>1, 136/468, d=0.469, g=3.537
2/2 [==============================] - 0s 6ms/step
>1, 137/468, d=0.329, g=3.593
2/2 [==============================] - 0s 7ms/step
>1, 138/468, d=0.199, g=2.554
2/2 [==============================] - 0s 7ms/step
>1, 139/468, d=0.585, g=1.615
2/2 [==============================] - 0s 9ms/step
>1, 140/468, d=0.376, g=3.172
2/2 [==============================] - 0s 9ms/step
>1, 141/468, d=0.295, g=3.643
2/2 [==============================] - 0s 6ms/step
>1, 142/468, d=0.555, g=1.840
2/2 [==============================] - 0s 4ms/step
>1, 143/468, d=0.404, g=2.792
2/2 [==============================] - 0s 6ms/step
>1, 144/468, d=0.474, g=2.707
2/2 [==============================] - 0s 4ms/step
>1, 145/468, d=0.473, g=2.882
2/2 [==============================] - 0s 6ms/step
>1, 146/468, d=0.676, g=6.354
2/2 [==============================] - 0s 7ms/step
>1, 147/468, d=0.501, g=2.954
2/2 [==============================] - 0s 7ms/step
>1, 148/468, d=0.233, g=2.686
2/2 [==============================] - 0s 6ms/step
>1, 149/468, d=0.232, g=2.711
2/2 [==============================] - 0s 6ms/step
>1, 150/468, d=0.177, g=2.341
2/2 [==============================] - 0s 11ms/step
>1, 151/468, d=0.254, g=2.009
2/2 [==============================] - 0s 4ms/step
>1, 152/468, d=0.174, g=1.941
2/2 [==============================] - 0s 6ms/step
>1, 153/468, d=0.145, g=1.883
2/2 [==============================] - 0s 14ms/step
>1, 154/468, d=0.158, g=1.594
2/2 [==============================] - 0s 6ms/step
>1, 155/468, d=0.381, g=0.728
2/2 [==============================] - 0s 7ms/step
>1, 156/468, d=0.398, g=1.019
2/2 [==============================] - 0s 5ms/step
>1, 157/468, d=0.314, g=5.772
2/2 [==============================] - 0s 6ms/step
>1, 158/468, d=0.340, g=5.473
2/2 [==============================] - 0s 4ms/step
>1, 159/468, d=0.288, g=4.668
2/2 [==============================] - 0s 6ms/step
>1, 160/468, d=0.249, g=4.746
```

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2/2 [==============================] - 0s 7ms/step
>1, 161/468, d=0.318, g=4.110
2/2 [==============================] - 0s 6ms/step
>1, 162/468, d=0.282, g=2.409
2/2 [==============================] - 0s 10ms/step
>1, 163/468, d=0.413, g=5.883
2/2 [==============================] - 0s 7ms/step
>1, 164/468, d=0.566, g=2.555
2/2 [==============================] - 0s 6ms/step
>1, 165/468, d=0.357, g=1.295
2/2 [==============================] - 0s 6ms/step
>1, 166/468, d=0.421, g=6.745
2/2 [==============================] - 0s 6ms/step
>1, 167/468, d=0.573, g=4.382
2/2 [==============================] - 0s 6ms/step
>1, 168/468, d=0.323, g=2.734
2/2 [==============================] - 0s 4ms/step
>1, 169/468, d=0.397, g=2.746
2/2 [==============================] - 0s 8ms/step
>1, 170/468, d=0.592, g=7.276
2/2 [==============================] - 0s 7ms/step
>1, 171/468, d=0.261, g=5.092
2/2 [==============================] - 0s 7ms/step
>1, 172/468, d=0.180, g=3.632
2/2 [==============================] - 0s 9ms/step
>1, 173/468, d=0.157, g=2.549
2/2 [==============================] - 0s 8ms/step
>1, 174/468, d=0.156, g=1.989
2/2 [==============================] - 0s 8ms/step
>1, 175/468, d=0.271, g=2.007
2/2 [==============================] - 0s 5ms/step
>1, 176/468, d=0.351, g=2.411
2/2 [==============================] - 0s 5ms/step
>1, 177/468, d=0.331, g=6.483
2/2 [==============================] - 0s 8ms/step
>1, 178/468, d=0.313, g=7.738
2/2 [==============================] - 0s 9ms/step
>1, 179/468, d=0.326, g=6.058
2/2 [==============================] - 0s 5ms/step
>1, 180/468, d=0.250, g=4.719
2/2 [==============================] - 0s 10ms/step
>1, 181/468, d=0.224, g=3.096
2/2 [==============================] - 0s 5ms/step
>1, 182/468, d=0.277, g=2.741
2/2 [==============================] - 0s 5ms/step
>1, 183/468, d=0.346, g=2.817
2/2 [==============================] - 0s 7ms/step
>1, 184/468, d=0.595, g=4.570
2/2 [==============================] - 0s 6ms/step
>1, 185/468, d=0.291, g=4.844
2/2 [==============================] - 0s 6ms/step
>1, 186/468, d=0.499, g=3.312
2/2 [==============================] - 0s 8ms/step
>1, 187/468, d=0.731, g=1.220
2/2 [==============================] - 0s 8ms/step
>1, 188/468, d=0.471, g=5.520
2/2 [==============================] - 0s 6ms/step
>1, 189/468, d=0.341, g=7.111
2/2 [==============================] - 0s 6ms/step
>1, 190/468, d=0.121, g=6.504
2/2 [==============================] - 0s 6ms/step
>1, 191/468, d=0.146, g=6.556
2/2 [==============================] - 0s 7ms/step
>1, 192/468, d=0.175, g=4.955
```

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2/2 [==============================] - 0s 6ms/step
>1, 193/468, d=0.102, g=3.817
2/2 [==============================] - 0s 7ms/step
>1, 194/468, d=0.128, g=3.262
2/2 [==============================] - 0s 6ms/step
>1, 195/468, d=0.137, g=2.880
2/2 [==============================] - 0s 7ms/step
>1, 196/468, d=0.125, g=2.106
2/2 [==============================] - 0s 7ms/step
>1, 197/468, d=0.130, g=1.858
2/2 [==============================] - 0s 8ms/step
>1, 198/468, d=0.129, g=2.443
2/2 [==============================] - 0s 6ms/step
>1, 199/468, d=0.128, g=3.669
2/2 [==============================] - 0s 6ms/step
>1, 200/468, d=0.142, g=4.718
2/2 [==============================] - 0s 7ms/step
>1, 201/468, d=0.156, g=4.939
2/2 [==============================] - 0s 7ms/step
>1, 202/468, d=0.136, g=4.151
2/2 [==============================] - 0s 7ms/step
>1, 203/468, d=0.224, g=2.172
2/2 [==============================] - 0s 4ms/step
>1, 204/468, d=0.229, g=3.718
2/2 [==============================] - 0s 5ms/step
>1, 205/468, d=0.139, g=5.536
2/2 [==============================] - 0s 4ms/step
>1, 206/468, d=0.115, g=4.065
2/2 [==============================] - 0s 6ms/step
>1, 207/468, d=0.160, g=2.433
2/2 [==============================] - 0s 6ms/step
>1, 208/468, d=0.119, g=2.665
2/2 [==============================] - 0s 7ms/step
>1, 209/468, d=0.141, g=2.973
2/2 [==============================] - 0s 6ms/step
>1, 210/468, d=0.149, g=3.165
2/2 [==============================] - 0s 6ms/step
>1, 211/468, d=0.254, g=2.414
2/2 [==============================] - 0s 5ms/step
>1, 212/468, d=0.341, g=6.826
2/2 [==============================] - 0s 7ms/step
>1, 213/468, d=0.202, g=4.435
2/2 [==============================] - 0s 8ms/step
>1, 214/468, d=0.142, g=2.703
2/2 [==============================] - 0s 7ms/step
>1, 215/468, d=0.249, g=6.086
2/2 [==============================] - 0s 7ms/step
>1, 216/468, d=0.234, g=8.252
2/2 [==============================] - 0s 6ms/step
>1, 217/468, d=0.178, g=6.066
2/2 [==============================] - 0s 5ms/step
>1, 218/468, d=0.188, g=3.253
2/2 [==============================] - 0s 7ms/step
>1, 219/468, d=0.081, g=2.679
2/2 [==============================] - 0s 4ms/step
>1, 220/468, d=0.075, g=2.448
2/2 [==============================] - 0s 5ms/step
>1, 221/468, d=0.104, g=1.965
2/2 [==============================] - 0s 8ms/step
>1, 222/468, d=0.141, g=1.442
2/2 [==============================] - 0s 7ms/step
>1, 223/468, d=0.292, g=1.523
2/2 [==============================] - 0s 4ms/step
>1, 224/468, d=0.280, g=6.785
```

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2/2 [==============================] - 0s 6ms/step
>1, 225/468, d=0.193, g=10.930
2/2 [==============================] - 0s 7ms/step
>1, 226/468, d=0.221, g=4.999
2/2 [==============================] - 0s 8ms/step
>1, 227/468, d=0.100, g=2.921
2/2 [==============================] - 0s 5ms/step
>1, 228/468, d=0.118, g=3.051
2/2 [==============================] - 0s 8ms/step
>1, 229/468, d=0.156, g=1.741
2/2 [==============================] - 0s 6ms/step
>1, 230/468, d=0.133, g=2.060
2/2 [==============================] - 0s 7ms/step
>1, 231/468, d=0.266, g=3.337
2/2 [==============================] - 0s 5ms/step
>1, 232/468, d=0.262, g=2.469
2/2 [==============================] - 0s 7ms/step
>1, 233/468, d=0.325, g=1.679
2/2 [==============================] - 0s 8ms/step
>1, 234/468, d=0.254, g=2.749
2/2 [==============================] - 0s 6ms/step
>1, 235/468, d=0.234, g=2.968
2/2 [==============================] - 0s 7ms/step
>1, 236/468, d=0.149, g=1.259
2/2 [==============================] - 0s 7ms/step
>1, 237/468, d=0.199, g=0.681
2/2 [==============================] - 0s 7ms/step
>1, 238/468, d=0.226, g=4.855
2/2 [==============================] - 0s 8ms/step
>1, 239/468, d=0.142, g=8.058
2/2 [==============================] - 0s 5ms/step
>1, 240/468, d=0.268, g=1.276
2/2 [==============================] - 0s 6ms/step
>1, 241/468, d=0.090, g=1.427
2/2 [==============================] - 0s 8ms/step
>1, 242/468, d=0.085, g=2.560
2/2 [==============================] - 0s 6ms/step
>1, 243/468, d=0.054, g=4.482
2/2 [==============================] - 0s 7ms/step
>1, 244/468, d=0.114, g=4.034
2/2 [==============================] - 0s 7ms/step
>1, 245/468, d=0.115, g=1.680
2/2 [==============================] - 0s 7ms/step
>1, 246/468, d=0.132, g=1.628
2/2 [==============================] - 0s 9ms/step
>1, 247/468, d=0.421, g=20.846
2/2 [==============================] - 0s 7ms/step
>1, 248/468, d=0.322, g=15.005
2/2 [==============================] - 0s 6ms/step
>1, 249/468, d=0.088, g=11.045
2/2 [==============================] - 0s 6ms/step
>1, 250/468, d=0.124, g=9.702
2/2 [==============================] - 0s 5ms/step
>1, 251/468, d=0.140, g=7.481
2/2 [==============================] - 0s 6ms/step
>1, 252/468, d=0.152, g=5.303
2/2 [==============================] - 0s 10ms/step
>1, 253/468, d=0.111, g=4.423
2/2 [==============================] - 0s 7ms/step
>1, 254/468, d=0.049, g=3.798
2/2 [==============================] - 0s 6ms/step
>1, 255/468, d=0.090, g=3.109
2/2 [==============================] - 0s 4ms/step
>1, 256/468, d=0.252, g=3.235
```

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2/2 [==============================] - 0s 12ms/step
>1, 257/468, d=0.284, g=6.053
2/2 [==============================] - 0s 7ms/step
>1, 258/468, d=0.379, g=5.442
2/2 [==============================] - 0s 6ms/step
>1, 259/468, d=0.201, g=4.458
2/2 [==============================] - 0s 7ms/step
>1, 260/468, d=0.252, g=4.671
2/2 [==============================] - 0s 5ms/step
>1, 261/468, d=0.165, g=3.116
2/2 [==============================] - 0s 7ms/step
>1, 262/468, d=0.160, g=3.241
2/2 [==============================] - 0s 4ms/step
>1, 263/468, d=0.207, g=2.135
2/2 [==============================] - 0s 6ms/step
>1, 264/468, d=0.118, g=4.282
2/2 [==============================] - 0s 5ms/step
>1, 265/468, d=0.179, g=7.141
2/2 [==============================] - 0s 5ms/step
>1, 266/468, d=0.147, g=5.963
2/2 [==============================] - 0s 5ms/step
>1, 267/468, d=0.100, g=3.793
2/2 [==============================] - 0s 9ms/step
>1, 268/468, d=0.136, g=3.309
2/2 [==============================] - 0s 4ms/step
>1, 269/468, d=0.247, g=4.055
2/2 [==============================] - 0s 9ms/step
>1, 270/468, d=0.473, g=11.164
2/2 [==============================] - 0s 13ms/step
>1, 271/468, d=0.307, g=7.073
2/2 [==============================] - 0s 6ms/step
>1, 272/468, d=0.174, g=6.201
2/2 [==============================] - 0s 7ms/step
>1, 273/468, d=0.183, g=7.640
2/2 [==============================] - 0s 6ms/step
>1, 274/468, d=0.347, g=6.206
2/2 [==============================] - 0s 5ms/step
>1, 275/468, d=0.280, g=7.966
2/2 [==============================] - 0s 4ms/step
>1, 276/468, d=0.212, g=4.229
2/2 [==============================] - 0s 5ms/step
>1, 277/468, d=0.050, g=3.638
2/2 [==============================] - 0s 4ms/step
>1, 278/468, d=0.171, g=4.390
2/2 [==============================] - 0s 7ms/step
>1, 279/468, d=0.120, g=5.275
2/2 [==============================] - 0s 6ms/step
>1, 280/468, d=0.298, g=4.196
2/2 [==============================] - 0s 5ms/step
>1, 281/468, d=0.226, g=2.770
2/2 [==============================] - 0s 6ms/step
>1, 282/468, d=0.388, g=22.580
2/2 [==============================] - 0s 8ms/step
>1, 283/468, d=0.706, g=4.382
2/2 [==============================] - 0s 4ms/step
>1, 284/468, d=0.545, g=1.873
2/2 [==============================] - 0s 6ms/step
>1, 285/468, d=0.439, g=2.353
2/2 [==============================] - 0s 8ms/step
>1, 286/468, d=0.477, g=6.442
2/2 [==============================] - 0s 6ms/step
>1, 287/468, d=0.312, g=4.569
2/2 [==============================] - 0s 8ms/step
>1, 288/468, d=0.196, g=4.415
```

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2/2 [==============================] - 0s 4ms/step
>1, 289/468, d=0.233, g=3.803
2/2 [==============================] - 0s 6ms/step
>1, 290/468, d=0.135, g=3.033
2/2 [==============================] - 0s 7ms/step
>1, 291/468, d=0.161, g=2.692
2/2 [==============================] - 0s 8ms/step
>1, 292/468, d=0.162, g=3.053
2/2 [==============================] - 0s 7ms/step
>1, 293/468, d=0.136, g=4.255
2/2 [==============================] - 0s 5ms/step
>1, 294/468, d=0.110, g=4.345
2/2 [==============================] - 0s 7ms/step
>1, 295/468, d=0.085, g=3.666
2/2 [==============================] - 0s 5ms/step
>1, 296/468, d=0.147, g=3.374
2/2 [==============================] - 0s 7ms/step
>1, 297/468, d=0.172, g=3.868
2/2 [==============================] - 0s 6ms/step
>1, 298/468, d=0.161, g=3.127
2/2 [==============================] - 0s 5ms/step
>1, 299/468, d=0.193, g=2.163
2/2 [==============================] - 0s 7ms/step
>1, 300/468, d=0.188, g=2.394
2/2 [==============================] - 0s 6ms/step
>1, 301/468, d=0.176, g=3.196
2/2 [==============================] - 0s 7ms/step
>1, 302/468, d=0.284, g=2.703
2/2 [==============================] - 0s 6ms/step
>1, 303/468, d=0.280, g=3.473
2/2 [==============================] - 0s 10ms/step
>1, 304/468, d=0.262, g=2.984
2/2 [==============================] - 0s 6ms/step
>1, 305/468, d=0.296, g=3.911
2/2 [==============================] - 0s 8ms/step
>1, 306/468, d=0.285, g=2.551
2/2 [==============================] - 0s 8ms/step
>1, 307/468, d=0.269, g=2.027
2/2 [==============================] - 0s 4ms/step
>1, 308/468, d=0.319, g=6.009
2/2 [==============================] - 0s 8ms/step
>1, 309/468, d=0.258, g=4.856
2/2 [==============================] - 0s 8ms/step
>1, 310/468, d=0.279, g=3.789
2/2 [==============================] - 0s 8ms/step
>1, 311/468, d=0.320, g=6.171
2/2 [==============================] - 0s 5ms/step
>1, 312/468, d=0.280, g=7.115
2/2 [==============================] - 0s 8ms/step
>1, 313/468, d=0.285, g=4.523
2/2 [==============================] - 0s 7ms/step
>1, 314/468, d=0.255, g=3.945
2/2 [==============================] - 0s 6ms/step
>1, 315/468, d=0.346, g=10.161
2/2 [==============================] - 0s 5ms/step
>1, 316/468, d=0.156, g=8.557
2/2 [==============================] - 0s 4ms/step
>1, 317/468, d=0.221, g=6.592
2/2 [==============================] - 0s 8ms/step
>1, 318/468, d=0.119, g=6.019
2/2 [==============================] - 0s 6ms/step
>1, 319/468, d=0.190, g=4.722
2/2 [==============================] - 0s 9ms/step
>1, 320/468, d=0.243, g=4.185
```

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2/2 [==============================] - 0s 5ms/step
>1, 321/468, d=0.117, g=8.821
2/2 [==============================] - 0s 7ms/step
>1, 322/468, d=0.223, g=10.081
2/2 [==============================] - 0s 10ms/step
>1, 323/468, d=0.186, g=6.027
2/2 [==============================] - 0s 7ms/step
>1, 324/468, d=0.199, g=2.500
2/2 [==============================] - 0s 6ms/step
>1, 325/468, d=0.241, g=2.247
2/2 [==============================] - 0s 5ms/step
>1, 326/468, d=0.273, g=3.922
2/2 [==============================] - 0s 8ms/step
>1, 327/468, d=0.588, g=0.730
2/2 [==============================] - 0s 7ms/step
>1, 328/468, d=0.293, g=1.864
2/2 [==============================] - 0s 8ms/step
>1, 329/468, d=0.745, g=6.731
2/2 [==============================] - 0s 13ms/step
>1, 330/468, d=1.099, g=1.544
2/2 [==============================] - 0s 4ms/step
>1, 331/468, d=0.253, g=0.507
2/2 [==============================] - 0s 4ms/step
>1, 332/468, d=0.718, g=1.706
2/2 [==============================] - 0s 7ms/step
>1, 333/468, d=0.564, g=2.549
2/2 [==============================] - 0s 7ms/step
>1, 334/468, d=0.236, g=1.930
2/2 [==============================] - 0s 7ms/step
>1, 335/468, d=0.863, g=5.190
2/2 [==============================] - 0s 10ms/step
>1, 336/468, d=0.386, g=14.021
2/2 [==============================] - 0s 11ms/step
>1, 337/468, d=0.242, g=12.016
2/2 [==============================] - 0s 8ms/step
>1, 338/468, d=0.226, g=8.289
2/2 [==============================] - 0s 8ms/step
>1, 339/468, d=0.172, g=7.145
2/2 [==============================] - 0s 8ms/step
>1, 340/468, d=0.081, g=6.127
2/2 [==============================] - 0s 4ms/step
>1, 341/468, d=0.237, g=5.463
2/2 [==============================] - 0s 5ms/step
>1, 342/468, d=0.103, g=6.050
2/2 [==============================] - 0s 4ms/step
>1, 343/468, d=0.225, g=3.427
2/2 [==============================] - 0s 7ms/step
>1, 344/468, d=0.388, g=9.103
2/2 [==============================] - 0s 6ms/step
>1, 345/468, d=0.237, g=9.474
2/2 [==============================] - 0s 8ms/step
>1, 346/468, d=0.135, g=7.912
2/2 [==============================] - 0s 8ms/step
>1, 347/468, d=0.144, g=7.205
2/2 [==============================] - 0s 7ms/step
>1, 348/468, d=0.221, g=6.460
2/2 [==============================] - 0s 6ms/step
>1, 349/468, d=0.394, g=4.673
2/2 [==============================] - 0s 8ms/step
>1, 350/468, d=0.258, g=4.146
2/2 [==============================] - 0s 5ms/step
>1, 351/468, d=0.271, g=2.236
2/2 [==============================] - 0s 5ms/step
>1, 352/468, d=0.229, g=1.884
```

```
2/2 [==============================] - 0s 8ms/step
>1, 353/468, d=0.148, g=2.576
2/2 [==============================] - 0s 5ms/step
>1, 354/468, d=0.134, g=4.317
2/2 [==============================] - 0s 5ms/step
>1, 355/468, d=0.159, g=4.489
2/2 [==============================] - 0s 5ms/step
>1, 356/468, d=0.141, g=4.805
2/2 [==============================] - 0s 5ms/step
>1, 357/468, d=0.141, g=2.970
2/2 [==============================] - 0s 5ms/step
>1, 358/468, d=0.324, g=4.203
2/2 [==============================] - 0s 9ms/step
>1, 359/468, d=0.324, g=3.181
2/2 [==============================] - 0s 6ms/step
>1, 360/468, d=0.193, g=2.417
2/2 [==============================] - 0s 6ms/step
>1, 361/468, d=0.260, g=1.616
2/2 [==============================] - 0s 8ms/step
>1, 362/468, d=0.216, g=1.240
2/2 [==============================] - 0s 10ms/step
>1, 363/468, d=0.288, g=1.029
2/2 [==============================] - 0s 9ms/step
>1, 364/468, d=0.268, g=1.632
2/2 [==============================] - 0s 7ms/step
>1, 365/468, d=0.196, g=4.897
2/2 [==============================] - 0s 6ms/step
>1, 366/468, d=0.719, g=3.450
2/2 [==============================] - 0s 10ms/step
>1, 367/468, d=0.627, g=0.594
2/2 [==============================] - 0s 4ms/step
>1, 368/468, d=0.191, g=5.443
2/2 [==============================] - 0s 7ms/step
>1, 369/468, d=0.266, g=7.426
2/2 [==============================] - 0s 7ms/step
>1, 370/468, d=0.535, g=4.042
2/2 [==============================] - 0s 6ms/step
>1, 371/468, d=0.162, g=3.994
2/2 [==============================] - 0s 9ms/step
>1, 372/468, d=0.147, g=4.700
2/2 [==============================] - 0s 5ms/step
>1, 373/468, d=0.134, g=6.432
2/2 [==============================] - 0s 7ms/step
>1, 374/468, d=0.173, g=5.308
2/2 [==============================] - 0s 5ms/step
>1, 375/468, d=0.109, g=5.354
2/2 [==============================] - 0s 9ms/step
>1, 376/468, d=0.142, g=6.610
2/2 [==============================] - 0s 9ms/step
>1, 377/468, d=0.238, g=6.388
2/2 [==============================] - 0s 9ms/step
>1, 378/468, d=0.372, g=6.877
2/2 [==============================] - 0s 9ms/step
>1, 379/468, d=0.306, g=7.213
2/2 [==============================] - 0s 8ms/step
>1, 380/468, d=0.258, g=6.555
2/2 [==============================] - 0s 5ms/step
>1, 381/468, d=0.227, g=4.332
2/2 [==============================] - 0s 6ms/step
>1, 382/468, d=0.210, g=3.312
2/2 [==============================] - 0s 5ms/step
>1, 383/468, d=0.198, g=3.222
2/2 [==============================] - 0s 5ms/step
>1, 384/468, d=0.219, g=1.684
```

```
2/2 [==============================] - 0s 6ms/step
>1, 385/468, d=0.199, g=1.394
2/2 [==============================] - 0s 6ms/step
>1, 386/468, d=0.161, g=1.552
2/2 [==============================] - 0s 6ms/step
>1, 387/468, d=0.237, g=2.333
2/2 [==============================] - 0s 6ms/step
>1, 388/468, d=0.183, g=2.693
2/2 [==============================] - 0s 6ms/step
>1, 389/468, d=0.195, g=3.423
2/2 [==============================] - 0s 5ms/step
>1, 390/468, d=0.185, g=2.338
2/2 [==============================] - 0s 8ms/step
>1, 391/468, d=0.193, g=4.791
2/2 [==============================] - 0s 6ms/step
>1, 392/468, d=0.256, g=9.587
2/2 [==============================] - 0s 5ms/step
>1, 393/468, d=0.179, g=5.566
2/2 [==============================] - 0s 6ms/step
>1, 394/468, d=0.194, g=1.776
2/2 [==============================] - 0s 8ms/step
>1, 395/468, d=0.252, g=1.861
2/2 [==============================] - 0s 7ms/step
>1, 396/468, d=0.515, g=13.745
2/2 [==============================] - 0s 7ms/step
>1, 397/468, d=0.198, g=8.525
2/2 [==============================] - 0s 7ms/step
>1, 398/468, d=0.201, g=7.993
2/2 [==============================] - 0s 8ms/step
>1, 399/468, d=0.128, g=8.084
2/2 [==============================] - 0s 9ms/step
>1, 400/468, d=0.219, g=6.537
2/2 [==============================] - 0s 7ms/step
>1, 401/468, d=0.190, g=7.086
2/2 [==============================] - 0s 9ms/step
>1, 402/468, d=0.179, g=8.573
2/2 [==============================] - 0s 7ms/step
>1, 403/468, d=0.278, g=7.855
2/2 [==============================] - 0s 6ms/step
>1, 404/468, d=0.181, g=6.403
2/2 [==============================] - 0s 8ms/step
>1, 405/468, d=0.219, g=5.051
2/2 [==============================] - 0s 7ms/step
>1, 406/468, d=0.472, g=0.654
2/2 [==============================] - 0s 5ms/step
>1, 407/468, d=0.172, g=0.215
2/2 [==============================] - 0s 10ms/step
>1, 408/468, d=0.114, g=0.146
2/2 [==============================] - 0s 8ms/step
>1, 409/468, d=0.300, g=0.547
2/2 [==============================] - 0s 5ms/step
>1, 410/468, d=0.127, g=1.498
2/2 [==============================] - 0s 9ms/step
>1, 411/468, d=0.181, g=2.277
2/2 [==============================] - 0s 4ms/step
>1, 412/468, d=0.304, g=4.217
2/2 [==============================] - 0s 6ms/step
>1, 413/468, d=0.200, g=6.959
2/2 [==============================] - 0s 7ms/step
>1, 414/468, d=0.152, g=7.958
2/2 [==============================] - 0s 6ms/step
>1, 415/468, d=0.175, g=7.624
2/2 [==============================] - 0s 6ms/step
>1, 416/468, d=0.122, g=4.406
```

```
2/2 [==============================] - 0s 6ms/step
>1, 417/468, d=0.221, g=3.139
2/2 [==============================] - 0s 8ms/step
>1, 418/468, d=0.213, g=6.134
2/2 [==============================] - 0s 7ms/step
>1, 419/468, d=0.295, g=7.032
2/2 [==============================] - 0s 4ms/step
>1, 420/468, d=0.216, g=5.133
2/2 [==============================] - 0s 5ms/step
>1, 421/468, d=0.299, g=4.203
2/2 [==============================] - 0s 7ms/step
>1, 422/468, d=0.127, g=2.620
2/2 [==============================] - 0s 9ms/step
>1, 423/468, d=0.210, g=3.679
2/2 [==============================] - 0s 9ms/step
>1, 424/468, d=0.169, g=3.502
2/2 [==============================] - 0s 9ms/step
>1, 425/468, d=0.255, g=4.054
2/2 [==============================] - 0s 5ms/step
>1, 426/468, d=0.255, g=6.311
2/2 [==============================] - 0s 6ms/step
>1, 427/468, d=0.135, g=6.713
2/2 [==============================] - 0s 6ms/step
>1, 428/468, d=0.271, g=6.192
2/2 [==============================] - 0s 10ms/step
>1, 429/468, d=0.149, g=3.389
2/2 [==============================] - 0s 7ms/step
>1, 430/468, d=0.237, g=4.630
2/2 [==============================] - 0s 9ms/step
>1, 431/468, d=0.188, g=6.164
2/2 [==============================] - 0s 11ms/step
>1, 432/468, d=0.182, g=4.649
2/2 [==============================] - 0s 4ms/step
>1, 433/468, d=0.114, g=4.506
2/2 [==============================] - 0s 6ms/step
>1, 434/468, d=0.250, g=5.202
2/2 [==============================] - 0s 5ms/step
>1, 435/468, d=0.254, g=3.578
2/2 [==============================] - 0s 6ms/step
>1, 436/468, d=0.210, g=4.633
2/2 [==============================] - 0s 17ms/step
>1, 437/468, d=0.196, g=5.349
2/2 [==============================] - 0s 5ms/step
>1, 438/468, d=0.272, g=7.668
2/2 [==============================] - 0s 5ms/step
>1, 439/468, d=0.194, g=7.019
2/2 [==============================] - 0s 5ms/step
>1, 440/468, d=0.342, g=2.426
2/2 [==============================] - 0s 10ms/step
>1, 441/468, d=0.264, g=1.121
2/2 [==============================] - 0s 13ms/step
>1, 442/468, d=0.252, g=3.192
2/2 [==============================] - 0s 5ms/step
>1, 443/468, d=0.173, g=2.687
2/2 [==============================] - 0s 5ms/step
>1, 444/468, d=0.125, g=2.730
2/2 [==============================] - 0s 5ms/step
>1, 445/468, d=0.217, g=2.615
2/2 [==============================] - 0s 5ms/step
>1, 446/468, d=0.265, g=1.678
2/2 [==============================] - 0s 11ms/step
>1, 447/468, d=0.346, g=4.337
2/2 [==============================] - 0s 8ms/step
>1, 448/468, d=0.699, g=6.096
```

```
2/2 [==============================] - 0s 10ms/step
>1, 449/468, d=0.363, g=5.187
2/2 [==============================] - 0s 6ms/step
>1, 450/468, d=0.482, g=3.850
2/2 [==============================] - 0s 7ms/step
>1, 451/468, d=0.102, g=3.635
2/2 [==============================] - 0s 6ms/step
>1, 452/468, d=0.165, g=1.667
2/2 [==============================] - 0s 7ms/step
>1, 453/468, d=0.369, g=7.796
2/2 [==============================] - 0s 8ms/step
>1, 454/468, d=0.240, g=6.217
2/2 [==============================] - 0s 8ms/step
>1, 455/468, d=0.155, g=8.223
2/2 [==============================] - 0s 6ms/step
>1, 456/468, d=0.356, g=6.361
2/2 [==============================] - 0s 8ms/step
>1, 457/468, d=0.291, g=5.271
2/2 [==============================] - 0s 10ms/step
>1, 458/468, d=0.408, g=4.810
2/2 [==============================] - 0s 10ms/step
>1, 459/468, d=0.266, g=1.735
2/2 [==============================] - 0s 9ms/step
>1, 460/468, d=0.261, g=1.877
2/2 [==============================] - 0s 5ms/step
>1, 461/468, d=0.115, g=2.421
2/2 [==============================] - 0s 9ms/step
>1, 462/468, d=0.369, g=5.755
2/2 [==============================] - 0s 10ms/step
>1, 463/468, d=0.481, g=5.708
2/2 [==============================] - 0s 20ms/step
>1, 464/468, d=0.219, g=5.384
2/2 [==============================] - 0s 10ms/step
>1, 465/468, d=0.195, g=4.085
2/2 [==============================] - 0s 9ms/step
>1, 466/468, d=0.229, g=4.727
2/2 [==============================] - 0s 15ms/step
>1, 467/468, d=0.218, g=4.768
2/2 [==============================] - 0s 6ms/step
>1, 468/468, d=0.263, g=4.637
4/4 [==============================] - 0s 4ms/step
>Accuracy real: 88%, fake: 98%
```

```
/usr/local/lib/python3.10/dist-packages/keras/src/engine/training.py:3000: UserWar
ning: You are saving your model as an HDF5 file via `model.save()`. This file form
at is considered legacy. We recommend using instead the native Keras format, e.g.
`model.save('my_model.keras')`.
  saving_api.save_model(
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 mo
del.
```

Se han truncado las últimas 5000 líneas del flujo de salida.

```
2/2 [==============================] - 0s 6ms/step
>5, 310/468, d=0.378, g=5.903
2/2 [==============================] - 0s 7ms/step
>5, 311/468, d=0.356, g=2.317
2/2 [==============================] - 0s 4ms/step
>5, 312/468, d=0.369, g=4.891
2/2 [==============================] - 0s 8ms/step
>5, 313/468, d=0.425, g=2.099
2/2 [==============================] - 0s 5ms/step
>5, 314/468, d=0.399, g=2.661
2/2 [==============================] - 0s 7ms/step
>5, 315/468, d=0.358, g=1.088
2/2 [==============================] - 0s 5ms/step
>5, 316/468, d=0.344, g=2.741
2/2 [==============================] - 0s 6ms/step
>5, 317/468, d=0.300, g=5.152
2/2 [==============================] - 0s 10ms/step
>5, 318/468, d=0.345, g=4.565
2/2 [==============================] - 0s 5ms/step
>5, 319/468, d=0.443, g=5.037
2/2 [==============================] - 0s 8ms/step
>5, 320/468, d=0.457, g=0.798
2/2 [==============================] - 0s 13ms/step
>5, 321/468, d=0.258, g=1.476
2/2 [==============================] - 0s 6ms/step
>5, 322/468, d=0.370, g=0.904
2/2 [==============================] - 0s 8ms/step
>5, 323/468, d=0.365, g=0.979
2/2 [==============================] - 0s 5ms/step
>5, 324/468, d=0.326, g=4.958
2/2 [==============================] - 0s 5ms/step
>5, 325/468, d=0.372, g=5.887
2/2 [==============================] - 0s 5ms/step
>5, 326/468, d=0.341, g=6.693
2/2 [==============================] - 0s 6ms/step
>5, 327/468, d=0.327, g=5.559
2/2 [==============================] - 0s 6ms/step
>5, 328/468, d=0.298, g=4.659
2/2 [==============================] - 0s 11ms/step
>5, 329/468, d=0.328, g=5.017
2/2 [==============================] - 0s 6ms/step
>5, 330/468, d=0.284, g=1.385
2/2 [==============================] - 0s 8ms/step
>5, 331/468, d=0.251, g=1.119
2/2 [==============================] - 0s 12ms/step
>5, 332/468, d=0.401, g=1.093
2/2 [==============================] - 0s 6ms/step
>5, 333/468, d=0.354, g=4.923
2/2 [==============================] - 0s 7ms/step
>5, 334/468, d=0.453, g=0.673
2/2 [==============================] - 0s 10ms/step
>5, 335/468, d=0.169, g=0.736
2/2 [==============================] - 0s 11ms/step
>5, 336/468, d=0.402, g=0.720
2/2 [==============================] - 0s 5ms/step
>5, 337/468, d=0.647, g=2.015
2/2 [==============================] - 0s 11ms/step
>5, 338/468, d=0.432, g=1.291
2/2 [==============================] - 0s 9ms/step
>5, 339/468, d=0.411, g=5.054
2/2 [==============================] - 0s 12ms/step
>5, 340/468, d=0.273, g=5.513
2/2 [==============================] - 0s 8ms/step
```

```
>5, 341/468, d=0.358, g=1.886
2/2 [==============================] - 0s 7ms/step
>5, 342/468, d=0.361, g=3.484
2/2 [==============================] - 0s 8ms/step
>5, 343/468, d=0.321, g=3.744
2/2 [==============================] - 0s 16ms/step
>5, 344/468, d=0.459, g=4.354
2/2 [==============================] - 0s 19ms/step
>5, 345/468, d=0.353, g=8.951
2/2 [==============================] - 0s 5ms/step
>5, 346/468, d=0.377, g=6.390
2/2 [==============================] - 0s 6ms/step
>5, 347/468, d=0.526, g=8.358
2/2 [==============================] - 0s 7ms/step
>5, 348/468, d=0.258, g=7.353
2/2 [==============================] - 0s 6ms/step
>5, 349/468, d=0.331, g=5.341
2/2 [==============================] - 0s 5ms/step
>5, 350/468, d=0.602, g=3.353
2/2 [==============================] - 0s 9ms/step
>5, 351/468, d=0.284, g=2.332
2/2 [==============================] - 0s 7ms/step
>5, 352/468, d=0.441, g=1.533
2/2 [==============================] - 0s 14ms/step
>5, 353/468, d=0.279, g=1.307
2/2 [==============================] - 0s 6ms/step
>5, 354/468, d=0.293, g=0.849
2/2 [==============================] - 0s 4ms/step
>5, 355/468, d=0.254, g=0.757
2/2 [==============================] - 0s 4ms/step
>5, 356/468, d=0.292, g=0.913
2/2 [==============================] - 0s 10ms/step
>5, 357/468, d=0.279, g=1.803
2/2 [==============================] - 0s 13ms/step
>5, 358/468, d=0.322, g=1.852
2/2 [==============================] - 0s 11ms/step
>5, 359/468, d=0.349, g=4.781
2/2 [==============================] - 0s 7ms/step
>5, 360/468, d=0.351, g=6.447
2/2 [==============================] - 0s 7ms/step
>5, 361/468, d=0.314, g=3.329
2/2 [==============================] - 0s 13ms/step
>5, 362/468, d=0.380, g=3.742
2/2 [==============================] - 0s 5ms/step
>5, 363/468, d=0.396, g=0.651
2/2 [==============================] - 0s 6ms/step
>5, 364/468, d=0.348, g=2.169
2/2 [==============================] - 0s 4ms/step
>5, 365/468, d=0.297, g=4.473
2/2 [==============================] - 0s 11ms/step
>5, 366/468, d=0.443, g=2.820
2/2 [==============================] - 0s 14ms/step
>5, 367/468, d=0.406, g=4.697
2/2 [==============================] - 0s 6ms/step
>5, 368/468, d=0.537, g=3.328
2/2 [==============================] - 0s 11ms/step
>5, 369/468, d=0.375, g=4.813
2/2 [==============================] - 0s 10ms/step
>5, 370/468, d=0.402, g=4.442
2/2 [==============================] - 0s 5ms/step
>5, 371/468, d=0.503, g=1.931
2/2 [==============================] - 0s 7ms/step
>5, 372/468, d=0.343, g=0.994
2/2 [==============================] - 0s 10ms/step
```

```
>5, 373/468, d=0.272, g=1.152
2/2 [==============================] - 0s 12ms/step
>5, 374/468, d=0.267, g=0.818
2/2 [==============================] - 0s 6ms/step
>5, 375/468, d=0.314, g=2.686
2/2 [==============================] - 0s 6ms/step
>5, 376/468, d=0.395, g=5.227
2/2 [==============================] - 0s 6ms/step
>5, 377/468, d=0.250, g=5.686
2/2 [==============================] - 0s 4ms/step
>5, 378/468, d=0.450, g=0.459
2/2 [==============================] - 0s 12ms/step
>5, 379/468, d=0.161, g=0.442
2/2 [==============================] - 0s 7ms/step
>5, 380/468, d=0.227, g=0.865
2/2 [==============================] - 0s 5ms/step
>5, 381/468, d=0.473, g=4.229
2/2 [==============================] - 0s 5ms/step
>5, 382/468, d=0.455, g=8.396
2/2 [==============================] - 0s 6ms/step
>5, 383/468, d=0.349, g=8.356
2/2 [==============================] - 0s 7ms/step
>5, 384/468, d=0.358, g=3.938
2/2 [==============================] - 0s 5ms/step
>5, 385/468, d=0.464, g=8.105
2/2 [==============================] - 0s 13ms/step
>5, 386/468, d=0.375, g=4.968
2/2 [==============================] - 0s 4ms/step
>5, 387/468, d=0.222, g=3.030
2/2 [==============================] - 0s 10ms/step
>5, 388/468, d=0.316, g=2.201
2/2 [==============================] - 0s 7ms/step
>5, 389/468, d=0.401, g=0.522
2/2 [==============================] - 0s 6ms/step
>5, 390/468, d=0.532, g=0.806
2/2 [==============================] - 0s 6ms/step
>5, 391/468, d=0.250, g=1.926
2/2 [==============================] - 0s 5ms/step
>5, 392/468, d=0.384, g=2.458
2/2 [==============================] - 0s 10ms/step
>5, 393/468, d=0.437, g=5.091
2/2 [==============================] - 0s 6ms/step
>5, 394/468, d=0.312, g=6.497
2/2 [==============================] - 0s 4ms/step
>5, 395/468, d=0.438, g=2.402
2/2 [==============================] - 0s 4ms/step
>5, 396/468, d=0.347, g=2.496
2/2 [==============================] - 0s 15ms/step
>5, 397/468, d=0.347, g=2.761
2/2 [==============================] - 0s 8ms/step
>5, 398/468, d=0.482, g=4.701
2/2 [==============================] - 0s 6ms/step
>5, 399/468, d=0.320, g=4.593
2/2 [==============================] - 0s 5ms/step
>5, 400/468, d=0.335, g=5.342
2/2 [==============================] - 0s 5ms/step
>5, 401/468, d=0.345, g=2.444
2/2 [==============================] - 0s 4ms/step
>5, 402/468, d=0.333, g=3.472
2/2 [==============================] - 0s 5ms/step
>5, 403/468, d=0.217, g=5.596
2/2 [==============================] - 0s 5ms/step
>5, 404/468, d=0.282, g=3.664
2/2 [==============================] - 0s 5ms/step
```

```
>5, 405/468, d=0.292, g=1.546
2/2 [==============================] - 0s 5ms/step
>5, 406/468, d=0.157, g=1.771
2/2 [==============================] - 0s 7ms/step
>5, 407/468, d=0.316, g=1.289
2/2 [==============================] - 0s 6ms/step
>5, 408/468, d=0.272, g=1.219
2/2 [==============================] - 0s 7ms/step
>5, 409/468, d=0.343, g=5.407
2/2 [==============================] - 0s 6ms/step
>5, 410/468, d=0.248, g=3.612
2/2 [==============================] - 0s 5ms/step
>5, 411/468, d=0.326, g=1.740
2/2 [==============================] - 0s 6ms/step
>5, 412/468, d=0.482, g=2.814
2/2 [==============================] - 0s 6ms/step
>5, 413/468, d=0.344, g=3.014
2/2 [==============================] - 0s 4ms/step
>5, 414/468, d=0.338, g=2.643
2/2 [==============================] - 0s 6ms/step
>5, 415/468, d=0.404, g=8.064
2/2 [==============================] - 0s 8ms/step
>5, 416/468, d=0.614, g=1.498
2/2 [==============================] - 0s 6ms/step
>5, 417/468, d=0.418, g=2.049
2/2 [==============================] - 0s 9ms/step
>5, 418/468, d=0.524, g=3.879
2/2 [==============================] - 0s 8ms/step
>5, 419/468, d=0.463, g=6.554
2/2 [==============================] - 0s 4ms/step
>5, 420/468, d=0.384, g=5.218
2/2 [==============================] - 0s 6ms/step
>5, 421/468, d=0.608, g=0.999
2/2 [==============================] - 0s 6ms/step
>5, 422/468, d=0.242, g=0.994
2/2 [==============================] - 0s 9ms/step
>5, 423/468, d=0.329, g=0.997
2/2 [==============================] - 0s 4ms/step
>5, 424/468, d=0.345, g=3.292
2/2 [==============================] - 0s 13ms/step
>5, 425/468, d=0.263, g=4.286
2/2 [==============================] - 0s 12ms/step
>5, 426/468, d=0.320, g=6.447
2/2 [==============================] - 0s 7ms/step
>5, 427/468, d=0.291, g=3.790
2/2 [==============================] - 0s 5ms/step
>5, 428/468, d=0.311, g=4.805
2/2 [==============================] - 0s 14ms/step
>5, 429/468, d=0.204, g=3.591
2/2 [==============================] - 0s 6ms/step
>5, 430/468, d=0.366, g=2.734
2/2 [==============================] - 0s 6ms/step
>5, 431/468, d=0.318, g=4.913
2/2 [==============================] - 0s 4ms/step
>5, 432/468, d=0.340, g=4.314
2/2 [==============================] - 0s 4ms/step
>5, 433/468, d=0.196, g=3.420
2/2 [==============================] - 0s 7ms/step
>5, 434/468, d=0.257, g=2.684
2/2 [==============================] - 0s 4ms/step
>5, 435/468, d=0.352, g=3.430
2/2 [==============================] - 0s 6ms/step
>5, 436/468, d=0.276, g=2.105
2/2 [==============================] - 0s 7ms/step
```

```
>5, 437/468, d=0.349, g=2.231
2/2 [==============================] - 0s 4ms/step
>5, 438/468, d=0.271, g=1.927
2/2 [==============================] - 0s 8ms/step
>5, 439/468, d=0.311, g=1.232
2/2 [==============================] - 0s 4ms/step
>5, 440/468, d=0.259, g=1.700
2/2 [==============================] - 0s 4ms/step
>5, 441/468, d=0.427, g=3.638
2/2 [==============================] - 0s 18ms/step
>5, 442/468, d=0.232, g=4.648
2/2 [==============================] - 0s 5ms/step
>5, 443/468, d=0.343, g=2.072
2/2 [==============================] - 0s 6ms/step
>5, 444/468, d=0.242, g=3.410
2/2 [==============================] - 0s 5ms/step
>5, 445/468, d=0.461, g=2.527
2/2 [==============================] - 0s 5ms/step
>5, 446/468, d=0.462, g=0.031
2/2 [==============================] - 0s 6ms/step
>5, 447/468, d=0.460, g=1.310
2/2 [==============================] - 0s 12ms/step
>5, 448/468, d=0.520, g=3.477
2/2 [==============================] - 0s 4ms/step
>5, 449/468, d=0.400, g=3.067
2/2 [==============================] - 0s 7ms/step
>5, 450/468, d=0.352, g=4.545
2/2 [==============================] - 0s 9ms/step
>5, 451/468, d=0.450, g=4.101
2/2 [==============================] - 0s 6ms/step
>5, 452/468, d=0.439, g=4.953
2/2 [==============================] - 0s 6ms/step
>5, 453/468, d=0.382, g=1.862
2/2 [==============================] - 0s 5ms/step
>5, 454/468, d=0.398, g=4.550
2/2 [==============================] - 0s 10ms/step
>5, 455/468, d=0.304, g=3.725
2/2 [==============================] - 0s 10ms/step
>5, 456/468, d=0.323, g=1.474
2/2 [==============================] - 0s 6ms/step
>5, 457/468, d=0.303, g=4.143
2/2 [==============================] - 0s 6ms/step
>5, 458/468, d=0.409, g=6.058
2/2 [==============================] - 0s 4ms/step
>5, 459/468, d=0.432, g=5.128
2/2 [==============================] - 0s 11ms/step
>5, 460/468, d=0.308, g=5.964
2/2 [==============================] - 0s 6ms/step
>5, 461/468, d=0.411, g=2.232
2/2 [==============================] - 0s 5ms/step
>5, 462/468, d=0.261, g=0.883
2/2 [==============================] - 0s 8ms/step
>5, 463/468, d=0.287, g=3.432
2/2 [==============================] - 0s 6ms/step
>5, 464/468, d=0.270, g=2.927
2/2 [==============================] - 0s 4ms/step
>5, 465/468, d=0.243, g=5.432
2/2 [==============================] - 0s 9ms/step
>5, 466/468, d=0.318, g=4.347
2/2 [==============================] - 0s 7ms/step
>5, 467/468, d=0.403, g=5.188
2/2 [==============================] - 0s 11ms/step
>5, 468/468, d=0.388, g=2.409
2/2 [==============================] - 0s 7ms/step
```

```
>6, 1/468, d=0.376, g=1.933
2/2 [==============================] - 0s 9ms/step
>6, 2/468, d=0.497, g=2.910
2/2 [==============================] - 0s 6ms/step
>6, 3/468, d=0.231, g=3.340
2/2 [==============================] - 0s 4ms/step
>6, 4/468, d=0.436, g=3.629
2/2 [==============================] - 0s 14ms/step
>6, 5/468, d=0.303, g=4.498
2/2 [==============================] - 0s 13ms/step
>6, 6/468, d=0.319, g=4.473
2/2 [==============================] - 0s 6ms/step
>6, 7/468, d=0.450, g=0.396
2/2 [==============================] - 0s 5ms/step
>6, 8/468, d=0.200, g=0.234
2/2 [==============================] - 0s 4ms/step
>6, 9/468, d=0.174, g=0.397
2/2 [==============================] - 0s 9ms/step
>6, 10/468, d=0.306, g=0.807
2/2 [==============================] - 0s 13ms/step
>6, 11/468, d=0.411, g=2.140
2/2 [==============================] - 0s 13ms/step
>6, 12/468, d=0.362, g=6.035
2/2 [==============================] - 0s 8ms/step
>6, 13/468, d=0.321, g=7.073
2/2 [==============================] - 0s 5ms/step
>6, 14/468, d=0.421, g=4.679
2/2 [==============================] - 0s 6ms/step
>6, 15/468, d=0.273, g=5.937
2/2 [==============================] - 0s 9ms/step
>6, 16/468, d=0.311, g=4.458
2/2 [==============================] - 0s 5ms/step
>6, 17/468, d=0.413, g=8.090
2/2 [==============================] - 0s 4ms/step
>6, 18/468, d=0.338, g=7.847
2/2 [==============================] - 0s 7ms/step
>6, 19/468, d=0.333, g=5.318
2/2 [==============================] - 0s 10ms/step
>6, 20/468, d=0.338, g=1.278
2/2 [==============================] - 0s 5ms/step
>6, 21/468, d=0.239, g=1.383
2/2 [==============================] - 0s 5ms/step
>6, 22/468, d=0.320, g=0.564
2/2 [==============================] - 0s 5ms/step
>6, 23/468, d=0.278, g=1.471
2/2 [==============================] - 0s 8ms/step
>6, 24/468, d=0.325, g=2.260
2/2 [==============================] - 0s 5ms/step
>6, 25/468, d=0.284, g=2.592
2/2 [==============================] - 0s 13ms/step
>6, 26/468, d=0.343, g=3.310
2/2 [==============================] - 0s 6ms/step
>6, 27/468, d=0.290, g=5.171
2/2 [==============================] - 0s 5ms/step
>6, 28/468, d=0.367, g=3.167
2/2 [==============================] - 0s 5ms/step
>6, 29/468, d=0.281, g=3.707
2/2 [==============================] - 0s 8ms/step
>6, 30/468, d=0.246, g=2.721
2/2 [==============================] - 0s 13ms/step
>6, 31/468, d=0.254, g=1.230
2/2 [==============================] - 0s 6ms/step
>6, 32/468, d=0.312, g=3.181
2/2 [==============================] - 0s 5ms/step
```

```
>6, 33/468, d=0.280, g=1.427
2/2 [==============================] - 0s 7ms/step
>6, 34/468, d=0.307, g=0.639
2/2 [==============================] - 0s 8ms/step
>6, 35/468, d=0.303, g=2.360
2/2 [==============================] - 0s 6ms/step
>6, 36/468, d=0.380, g=0.738
2/2 [==============================] - 0s 6ms/step
>6, 37/468, d=0.430, g=4.428
2/2 [==============================] - 0s 9ms/step
>6, 38/468, d=0.637, g=0.992
2/2 [==============================] - 0s 13ms/step
>6, 39/468, d=0.545, g=2.838
2/2 [==============================] - 0s 14ms/step
>6, 40/468, d=0.412, g=2.629
2/2 [==============================] - 0s 12ms/step
>6, 41/468, d=0.281, g=3.057
2/2 [==============================] - 0s 6ms/step
>6, 42/468, d=0.319, g=5.688
2/2 [==============================] - 0s 6ms/step
>6, 43/468, d=0.373, g=3.630
2/2 [==============================] - 0s 5ms/step
>6, 44/468, d=0.372, g=4.526
2/2 [==============================] - 0s 4ms/step
>6, 45/468, d=0.277, g=7.081
2/2 [==============================] - 0s 9ms/step
>6, 46/468, d=0.369, g=3.007
2/2 [==============================] - 0s 8ms/step
>6, 47/468, d=0.333, g=2.630
2/2 [==============================] - 0s 10ms/step
>6, 48/468, d=0.391, g=4.386
2/2 [==============================] - 0s 17ms/step
>6, 49/468, d=0.355, g=9.259
2/2 [==============================] - 0s 4ms/step
>6, 50/468, d=0.435, g=2.743
2/2 [==============================] - 0s 7ms/step
>6, 51/468, d=0.223, g=1.078
2/2 [==============================] - 0s 5ms/step
>6, 52/468, d=0.305, g=1.580
2/2 [==============================] - 0s 5ms/step
>6, 53/468, d=0.374, g=2.759
2/2 [==============================] - 0s 12ms/step
>6, 54/468, d=0.420, g=0.651
2/2 [==============================] - 0s 4ms/step
>6, 55/468, d=0.567, g=5.873
2/2 [==============================] - 0s 9ms/step
>6, 56/468, d=0.514, g=1.126
2/2 [==============================] - 0s 11ms/step
>6, 57/468, d=0.172, g=0.362
2/2 [==============================] - 0s 10ms/step
>6, 58/468, d=0.346, g=0.984
2/2 [==============================] - 0s 4ms/step
>6, 59/468, d=0.287, g=3.541
2/2 [==============================] - 0s 6ms/step
>6, 60/468, d=0.543, g=5.566
2/2 [==============================] - 0s 5ms/step
>6, 61/468, d=0.490, g=6.517
2/2 [==============================] - 0s 13ms/step
>6, 62/468, d=0.414, g=5.190
2/2 [==============================] - 0s 4ms/step
>6, 63/468, d=0.186, g=6.669
2/2 [==============================] - 0s 4ms/step
>6, 64/468, d=0.252, g=6.744
2/2 [==============================] - 0s 13ms/step
```

```
>6, 65/468, d=0.302, g=4.055
2/2 [==============================] - 0s 7ms/step
>6, 66/468, d=0.302, g=5.397
2/2 [==============================] - 0s 5ms/step
>6, 67/468, d=0.513, g=3.701
2/2 [==============================] - 0s 13ms/step
>6, 68/468, d=0.342, g=2.691
2/2 [==============================] - 0s 12ms/step
>6, 69/468, d=0.349, g=2.108
2/2 [==============================] - 0s 5ms/step
>6, 70/468, d=0.344, g=3.620
2/2 [==============================] - 0s 5ms/step
>6, 71/468, d=0.227, g=3.927
2/2 [==============================] - 0s 4ms/step
>6, 72/468, d=0.361, g=7.372
2/2 [==============================] - 0s 5ms/step
>6, 73/468, d=0.243, g=4.657
2/2 [==============================] - 0s 7ms/step
>6, 74/468, d=0.303, g=0.896
2/2 [==============================] - 0s 5ms/step
>6, 75/468, d=0.179, g=0.972
2/2 [==============================] - 0s 5ms/step
>6, 76/468, d=0.221, g=1.647
2/2 [==============================] - 0s 6ms/step
>6, 77/468, d=0.346, g=1.677
2/2 [==============================] - 0s 5ms/step
>6, 78/468, d=0.253, g=0.979
2/2 [==============================] - 0s 5ms/step
>6, 79/468, d=0.324, g=1.269
2/2 [==============================] - 0s 4ms/step
>6, 80/468, d=0.288, g=1.409
2/2 [==============================] - 0s 5ms/step
>6, 81/468, d=0.301, g=1.490
2/2 [==============================] - 0s 7ms/step
>6, 82/468, d=0.255, g=2.389
2/2 [==============================] - 0s 13ms/step
>6, 83/468, d=0.289, g=4.975
2/2 [==============================] - 0s 9ms/step
>6, 84/468, d=0.339, g=1.831
2/2 [==============================] - 0s 6ms/step
>6, 85/468, d=0.242, g=2.934
2/2 [==============================] - 0s 5ms/step
>6, 86/468, d=0.301, g=4.101
2/2 [==============================] - 0s 6ms/step
>6, 87/468, d=0.323, g=3.731
2/2 [==============================] - 0s 5ms/step
>6, 88/468, d=0.293, g=3.141
2/2 [==============================] - 0s 7ms/step
>6, 89/468, d=0.320, g=1.286
2/2 [==============================] - 0s 15ms/step
>6, 90/468, d=0.368, g=2.834
2/2 [==============================] - 0s 5ms/step
>6, 91/468, d=0.341, g=4.164
2/2 [==============================] - 0s 6ms/step
>6, 92/468, d=0.266, g=5.603
2/2 [==============================] - 0s 16ms/step
>6, 93/468, d=0.207, g=5.898
2/2 [==============================] - 0s 6ms/step
>6, 94/468, d=0.412, g=0.807
2/2 [==============================] - 0s 10ms/step
>6, 95/468, d=0.269, g=0.903
2/2 [==============================] - 0s 7ms/step
>6, 96/468, d=0.335, g=1.680
2/2 [==============================] - 0s 5ms/step
```

```
>6, 97/468, d=0.346, g=1.105
2/2 [==============================] - 0s 5ms/step
>6, 98/468, d=0.407, g=3.313
2/2 [==============================] - 0s 5ms/step
>6, 99/468, d=0.323, g=2.965
2/2 [==============================] - 0s 7ms/step
>6, 100/468, d=0.398, g=1.663
2/2 [==============================] - 0s 5ms/step
>6, 101/468, d=0.307, g=4.077
2/2 [==============================] - 0s 5ms/step
>6, 102/468, d=0.342, g=5.638
2/2 [==============================] - 0s 5ms/step
>6, 103/468, d=0.382, g=8.708
2/2 [==============================] - 0s 8ms/step
>6, 104/468, d=0.328, g=3.413
2/2 [==============================] - 0s 7ms/step
>6, 105/468, d=0.328, g=2.484
2/2 [==============================] - 0s 7ms/step
>6, 106/468, d=0.235, g=3.165
2/2 [==============================] - 0s 10ms/step
>6, 107/468, d=0.317, g=5.594
2/2 [==============================] - 0s 4ms/step
>6, 108/468, d=0.299, g=5.866
2/2 [==============================] - 0s 5ms/step
>6, 109/468, d=0.295, g=0.597
2/2 [==============================] - 0s 5ms/step
>6, 110/468, d=0.185, g=0.412
2/2 [==============================] - 0s 6ms/step
>6, 111/468, d=0.215, g=1.654
2/2 [==============================] - 0s 9ms/step
>6, 112/468, d=0.382, g=3.375
2/2 [==============================] - 0s 7ms/step
>6, 113/468, d=0.335, g=1.466
2/2 [==============================] - 0s 4ms/step
>6, 114/468, d=0.416, g=1.650
2/2 [==============================] - 0s 4ms/step
>6, 115/468, d=0.299, g=1.472
2/2 [==============================] - 0s 5ms/step
>6, 116/468, d=0.302, g=0.191
2/2 [==============================] - 0s 15ms/step
>6, 117/468, d=0.241, g=0.369
2/2 [==============================] - 0s 11ms/step
>6, 118/468, d=0.410, g=6.461
2/2 [==============================] - 0s 11ms/step
>6, 119/468, d=0.368, g=11.041
2/2 [==============================] - 0s 6ms/step
>6, 120/468, d=0.788, g=5.522
2/2 [==============================] - 0s 9ms/step
>6, 121/468, d=0.781, g=6.279
2/2 [==============================] - 0s 4ms/step
>6, 122/468, d=0.556, g=2.484
2/2 [==============================] - 0s 9ms/step
>6, 123/468, d=0.294, g=1.220
2/2 [==============================] - 0s 8ms/step
>6, 124/468, d=0.570, g=7.479
2/2 [==============================] - 0s 7ms/step
>6, 125/468, d=0.244, g=9.582
2/2 [==============================] - 0s 5ms/step
>6, 126/468, d=0.385, g=6.338
2/2 [==============================] - 0s 7ms/step
>6, 127/468, d=0.413, g=2.631
2/2 [==============================] - 0s 7ms/step
>6, 128/468, d=0.214, g=1.641
2/2 [==============================] - 0s 6ms/step
```

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>6, 129/468, d=0.315, g=2.010
2/2 [==============================] - 0s 6ms/step
>6, 130/468, d=0.567, g=0.460
2/2 [==============================] - 0s 7ms/step
>6, 131/468, d=0.392, g=3.172
2/2 [==============================] - 0s 5ms/step
>6, 132/468, d=0.369, g=3.539
2/2 [==============================] - 0s 8ms/step
>6, 133/468, d=0.365, g=5.067
2/2 [==============================] - 0s 5ms/step
>6, 134/468, d=0.292, g=6.431
2/2 [==============================] - 0s 11ms/step
>6, 135/468, d=0.479, g=2.255
2/2 [==============================] - 0s 4ms/step
>6, 136/468, d=0.367, g=2.589
2/2 [==============================] - 0s 6ms/step
>6, 137/468, d=0.282, g=1.960
2/2 [==============================] - 0s 13ms/step
>6, 138/468, d=0.233, g=2.041
2/2 [==============================] - 0s 6ms/step
>6, 139/468, d=0.208, g=3.130
2/2 [==============================] - 0s 10ms/step
>6, 140/468, d=0.366, g=5.180
2/2 [==============================] - 0s 11ms/step
>6, 141/468, d=0.285, g=4.142
2/2 [==============================] - 0s 10ms/step
>6, 142/468, d=0.303, g=4.546
2/2 [==============================] - 0s 5ms/step
>6, 143/468, d=0.328, g=5.156
2/2 [==============================] - 0s 4ms/step
>6, 144/468, d=0.395, g=2.519
2/2 [==============================] - 0s 7ms/step
>6, 145/468, d=0.424, g=0.919
2/2 [==============================] - 0s 13ms/step
>6, 146/468, d=0.360, g=2.797
2/2 [==============================] - 0s 9ms/step
>6, 147/468, d=0.375, g=3.367
2/2 [==============================] - 0s 6ms/step
>6, 148/468, d=0.345, g=7.356
2/2 [==============================] - 0s 6ms/step
>6, 149/468, d=0.384, g=5.023
2/2 [==============================] - 0s 9ms/step
>6, 150/468, d=0.451, g=1.762
2/2 [==============================] - 0s 8ms/step
>6, 151/468, d=0.247, g=2.007
2/2 [==============================] - 0s 5ms/step
>6, 152/468, d=0.427, g=2.546
2/2 [==============================] - 0s 16ms/step
>6, 153/468, d=0.421, g=5.551
2/2 [==============================] - 0s 5ms/step
>6, 154/468, d=0.395, g=4.641
2/2 [==============================] - 0s 4ms/step
>6, 155/468, d=0.409, g=4.376
2/2 [==============================] - 0s 5ms/step
>6, 156/468, d=0.246, g=7.699
2/2 [==============================] - 0s 4ms/step
>6, 157/468, d=0.473, g=10.780
2/2 [==============================] - 0s 4ms/step
>6, 158/468, d=0.435, g=6.005
2/2 [==============================] - 0s 14ms/step
>6, 159/468, d=0.327, g=1.280
2/2 [==============================] - 0s 4ms/step
>6, 160/468, d=0.281, g=1.391
2/2 [==============================] - 0s 9ms/step
```

```
>6, 161/468, d=0.310, g=0.592
2/2 [==============================] - 0s 13ms/step
>6, 162/468, d=0.275, g=1.959
2/2 [==============================] - 0s 6ms/step
>6, 163/468, d=0.313, g=4.387
2/2 [==============================] - 0s 6ms/step
>6, 164/468, d=0.344, g=2.325
2/2 [==============================] - 0s 16ms/step
>6, 165/468, d=0.282, g=1.578
2/2 [==============================] - 0s 6ms/step
>6, 166/468, d=0.304, g=4.297
2/2 [==============================] - 0s 8ms/step
>6, 167/468, d=0.258, g=1.471
2/2 [==============================] - 0s 11ms/step
>6, 168/468, d=0.398, g=1.227
2/2 [==============================] - 0s 5ms/step
>6, 169/468, d=0.203, g=1.967
2/2 [==============================] - 0s 6ms/step
>6, 170/468, d=0.306, g=1.583
2/2 [==============================] - 0s 5ms/step
>6, 171/468, d=0.274, g=0.978
2/2 [==============================] - 0s 13ms/step
>6, 172/468, d=0.235, g=1.119
2/2 [==============================] - 0s 5ms/step
>6, 173/468, d=0.232, g=1.198
2/2 [==============================] - 0s 5ms/step
>6, 174/468, d=0.305, g=1.015
2/2 [==============================] - 0s 4ms/step
>6, 175/468, d=0.421, g=3.617
2/2 [==============================] - 0s 6ms/step
>6, 176/468, d=0.276, g=6.765
2/2 [==============================] - 0s 5ms/step
>6, 177/468, d=0.324, g=2.645
2/2 [==============================] - 0s 5ms/step
>6, 178/468, d=0.331, g=4.241
2/2 [==============================] - 0s 4ms/step
>6, 179/468, d=0.283, g=7.604
2/2 [==============================] - 0s 7ms/step
>6, 180/468, d=0.238, g=3.739
2/2 [==============================] - 0s 6ms/step
>6, 181/468, d=0.348, g=3.091
2/2 [==============================] - 0s 7ms/step
>6, 182/468, d=0.446, g=7.456
2/2 [==============================] - 0s 4ms/step
>6, 183/468, d=0.237, g=5.090
2/2 [==============================] - 0s 8ms/step
>6, 184/468, d=0.301, g=2.106
2/2 [==============================] - 0s 10ms/step
>6, 185/468, d=0.365, g=3.577
2/2 [==============================] - 0s 5ms/step
>6, 186/468, d=0.266, g=4.225
2/2 [==============================] - 0s 5ms/step
>6, 187/468, d=0.394, g=7.675
2/2 [==============================] - 0s 5ms/step
>6, 188/468, d=0.426, g=2.033
2/2 [==============================] - 0s 5ms/step
>6, 189/468, d=0.274, g=1.650
2/2 [==============================] - 0s 13ms/step
>6, 190/468, d=0.480, g=3.150
2/2 [==============================] - 0s 11ms/step
>6, 191/468, d=0.329, g=1.005
2/2 [==============================] - 0s 5ms/step
>6, 192/468, d=0.274, g=1.495
2/2 [==============================] - 0s 3ms/step
```

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>6, 193/468, d=0.391, g=3.547
2/2 [==============================] - 0s 9ms/step
>6, 194/468, d=0.222, g=5.507
2/2 [==============================] - 0s 4ms/step
>6, 195/468, d=0.332, g=1.379
2/2 [==============================] - 0s 5ms/step
>6, 196/468, d=0.325, g=1.131
2/2 [==============================] - 0s 9ms/step
>6, 197/468, d=0.219, g=0.969
2/2 [==============================] - 0s 5ms/step
>6, 198/468, d=0.345, g=1.604
2/2 [==============================] - 0s 10ms/step
>6, 199/468, d=0.403, g=3.109
2/2 [==============================] - 0s 6ms/step
>6, 200/468, d=0.291, g=5.754
2/2 [==============================] - 0s 12ms/step
>6, 201/468, d=0.308, g=7.975
2/2 [==============================] - 0s 5ms/step
>6, 202/468, d=0.460, g=1.746
2/2 [==============================] - 0s 7ms/step
>6, 203/468, d=0.336, g=1.516
2/2 [==============================] - 0s 7ms/step
>6, 204/468, d=0.338, g=3.351
2/2 [==============================] - 0s 9ms/step
>6, 205/468, d=0.456, g=0.946
2/2 [==============================] - 0s 10ms/step
>6, 206/468, d=0.403, g=0.940
2/2 [==============================] - 0s 6ms/step
>6, 207/468, d=0.368, g=4.870
2/2 [==============================] - 0s 10ms/step
>6, 208/468, d=0.401, g=1.475
2/2 [==============================] - 0s 12ms/step
>6, 209/468, d=0.343, g=0.298
2/2 [==============================] - 0s 12ms/step
>6, 210/468, d=0.406, g=3.316
2/2 [==============================] - 0s 6ms/step
>6, 211/468, d=0.282, g=5.595
2/2 [==============================] - 0s 7ms/step
>6, 212/468, d=0.304, g=7.921
2/2 [==============================] - 0s 6ms/step
>6, 213/468, d=0.367, g=7.851
2/2 [==============================] - 0s 5ms/step
>6, 214/468, d=0.306, g=3.066
2/2 [==============================] - 0s 14ms/step
>6, 215/468, d=0.322, g=2.413
2/2 [==============================] - 0s 10ms/step
>6, 216/468, d=0.409, g=2.662
2/2 [==============================] - 0s 12ms/step
>6, 217/468, d=0.406, g=3.129
2/2 [==============================] - 0s 11ms/step
>6, 218/468, d=0.358, g=3.534
2/2 [==============================] - 0s 5ms/step
>6, 219/468, d=0.255, g=3.445
2/2 [==============================] - 0s 4ms/step
>6, 220/468, d=0.361, g=1.461
2/2 [==============================] - 0s 11ms/step
>6, 221/468, d=0.373, g=3.104
2/2 [==============================] - 0s 6ms/step
>6, 222/468, d=0.302, g=6.755
2/2 [==============================] - 0s 7ms/step
>6, 223/468, d=0.363, g=2.577
2/2 [==============================] - 0s 6ms/step
>6, 224/468, d=0.472, g=6.357
2/2 [==============================] - 0s 8ms/step
```

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>6, 225/468, d=0.290, g=3.299
2/2 [==============================] - 0s 4ms/step
>6, 226/468, d=0.256, g=2.752
2/2 [==============================] - 0s 5ms/step
>6, 227/468, d=0.164, g=1.989
2/2 [==============================] - 0s 6ms/step
>6, 228/468, d=0.320, g=3.862
2/2 [==============================] - 0s 6ms/step
>6, 229/468, d=0.385, g=5.616
2/2 [==============================] - 0s 6ms/step
>6, 230/468, d=0.376, g=4.202
2/2 [==============================] - 0s 4ms/step
>6, 231/468, d=0.381, g=0.530
2/2 [==============================] - 0s 7ms/step
>6, 232/468, d=0.171, g=1.297
2/2 [==============================] - 0s 12ms/step
>6, 233/468, d=0.274, g=1.539
2/2 [==============================] - 0s 9ms/step
>6, 234/468, d=0.588, g=1.407
2/2 [==============================] - 0s 6ms/step
>6, 235/468, d=0.407, g=6.970
2/2 [==============================] - 0s 17ms/step
>6, 236/468, d=0.423, g=5.575
2/2 [==============================] - 0s 5ms/step
>6, 237/468, d=0.347, g=2.475
2/2 [==============================] - 0s 7ms/step
>6, 238/468, d=0.349, g=2.509
2/2 [==============================] - 0s 5ms/step
>6, 239/468, d=0.506, g=1.375
2/2 [==============================] - 0s 5ms/step
>6, 240/468, d=0.280, g=2.869
2/2 [==============================] - 0s 6ms/step
>6, 241/468, d=0.306, g=4.461
2/2 [==============================] - 0s 5ms/step
>6, 242/468, d=0.244, g=4.417
2/2 [==============================] - 0s 5ms/step
>6, 243/468, d=0.295, g=5.820
2/2 [==============================] - 0s 15ms/step
>6, 244/468, d=0.266, g=4.092
2/2 [==============================] - 0s 6ms/step
>6, 245/468, d=0.350, g=2.503
2/2 [==============================] - 0s 9ms/step
>6, 246/468, d=0.206, g=0.831
2/2 [==============================] - 0s 5ms/step
>6, 247/468, d=0.295, g=2.333
2/2 [==============================] - 0s 10ms/step
>6, 248/468, d=0.315, g=2.700
2/2 [==============================] - 0s 4ms/step
>6, 249/468, d=0.273, g=4.933
2/2 [==============================] - 0s 5ms/step
>6, 250/468, d=0.287, g=2.430
2/2 [==============================] - 0s 5ms/step
>6, 251/468, d=0.323, g=3.029
2/2 [==============================] - 0s 8ms/step
>6, 252/468, d=0.293, g=1.477
2/2 [==============================] - 0s 6ms/step
>6, 253/468, d=0.281, g=2.010
2/2 [==============================] - 0s 4ms/step
>6, 254/468, d=0.312, g=1.896
2/2 [==============================] - 0s 12ms/step
>6, 255/468, d=0.379, g=4.786
2/2 [==============================] - 0s 5ms/step
>6, 256/468, d=0.334, g=2.771
2/2 [==============================] - 0s 9ms/step
```

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>6, 257/468, d=0.342, g=0.921
2/2 [==============================] - 0s 6ms/step
>6, 258/468, d=0.302, g=1.430
2/2 [==============================] - 0s 10ms/step
>6, 259/468, d=0.253, g=2.541
2/2 [==============================] - 0s 4ms/step
>6, 260/468, d=0.439, g=8.137
2/2 [==============================] - 0s 5ms/step
>6, 261/468, d=0.798, g=2.035
2/2 [==============================] - 0s 5ms/step
>6, 262/468, d=0.414, g=2.367
2/2 [==============================] - 0s 5ms/step
>6, 263/468, d=0.643, g=1.962
2/2 [==============================] - 0s 5ms/step
>6, 264/468, d=0.631, g=8.382
2/2 [==============================] - 0s 5ms/step
>6, 265/468, d=0.418, g=8.039
2/2 [==============================] - 0s 6ms/step
>6, 266/468, d=0.595, g=2.437
2/2 [==============================] - 0s 11ms/step
>6, 267/468, d=0.567, g=1.752
2/2 [==============================] - 0s 5ms/step
>6, 268/468, d=0.398, g=0.846
2/2 [==============================] - 0s 10ms/step
>6, 269/468, d=0.365, g=2.745
2/2 [==============================] - 0s 16ms/step
>6, 270/468, d=0.334, g=3.139
2/2 [==============================] - 0s 6ms/step
>6, 271/468, d=0.498, g=1.845
2/2 [==============================] - 0s 16ms/step
>6, 272/468, d=0.243, g=1.332
2/2 [==============================] - 0s 5ms/step
>6, 273/468, d=0.348, g=3.407
2/2 [==============================] - 0s 6ms/step
>6, 274/468, d=0.472, g=4.101
2/2 [==============================] - 0s 8ms/step
>6, 275/468, d=0.264, g=4.492
2/2 [==============================] - 0s 9ms/step
>6, 276/468, d=0.377, g=2.220
2/2 [==============================] - 0s 6ms/step
>6, 277/468, d=0.416, g=3.003
2/2 [==============================] - 0s 13ms/step
>6, 278/468, d=0.304, g=2.859
2/2 [==============================] - 0s 5ms/step
>6, 279/468, d=0.336, g=4.919
2/2 [==============================] - 0s 10ms/step
>6, 280/468, d=0.464, g=3.394
2/2 [==============================] - 0s 8ms/step
>6, 281/468, d=0.372, g=4.304
2/2 [==============================] - 0s 5ms/step
>6, 282/468, d=0.260, g=4.995
2/2 [==============================] - 0s 5ms/step
>6, 283/468, d=0.313, g=2.960
2/2 [==============================] - 0s 4ms/step
>6, 284/468, d=0.257, g=3.056
2/2 [==============================] - 0s 6ms/step
>6, 285/468, d=0.228, g=2.640
2/2 [==============================] - 0s 6ms/step
>6, 286/468, d=0.184, g=2.502
2/2 [==============================] - 0s 5ms/step
>6, 287/468, d=0.339, g=4.679
2/2 [==============================] - 0s 6ms/step
>6, 288/468, d=0.379, g=4.552
2/2 [==============================] - 0s 4ms/step
```

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>6, 289/468, d=0.220, g=5.097
2/2 [==============================] - 0s 5ms/step
>6, 290/468, d=0.394, g=1.566
2/2 [==============================] - 0s 8ms/step
>6, 291/468, d=0.295, g=2.545
2/2 [==============================] - 0s 6ms/step
>6, 292/468, d=0.413, g=3.988
2/2 [==============================] - 0s 8ms/step
>6, 293/468, d=0.393, g=4.909
2/2 [==============================] - 0s 12ms/step
>6, 294/468, d=0.368, g=7.133
2/2 [==============================] - 0s 6ms/step
>6, 295/468, d=0.586, g=3.349
2/2 [==============================] - 0s 5ms/step
>6, 296/468, d=0.261, g=1.136
2/2 [==============================] - 0s 5ms/step
>6, 297/468, d=0.218, g=1.880
2/2 [==============================] - 0s 9ms/step
>6, 298/468, d=0.273, g=2.254
2/2 [==============================] - 0s 7ms/step
>6, 299/468, d=0.453, g=2.752
2/2 [==============================] - 0s 7ms/step
>6, 300/468, d=0.370, g=2.096
2/2 [==============================] - 0s 7ms/step
>6, 301/468, d=0.314, g=3.024
2/2 [==============================] - 0s 4ms/step
>6, 302/468, d=0.246, g=3.040
2/2 [==============================] - 0s 4ms/step
>6, 303/468, d=0.304, g=2.615
2/2 [==============================] - 0s 4ms/step
>6, 304/468, d=0.321, g=3.873
2/2 [==============================] - 0s 6ms/step
>6, 305/468, d=0.284, g=3.197
2/2 [==============================] - 0s 5ms/step
>6, 306/468, d=0.270, g=2.959
2/2 [==============================] - 0s 5ms/step
>6, 307/468, d=0.269, g=1.212
2/2 [==============================] - 0s 13ms/step
>6, 308/468, d=0.246, g=0.755
2/2 [==============================] - 0s 8ms/step
>6, 309/468, d=0.266, g=1.786
2/2 [==============================] - 0s 13ms/step
>6, 310/468, d=0.267, g=2.001
2/2 [==============================] - 0s 14ms/step
>6, 311/468, d=0.407, g=2.818
2/2 [==============================] - 0s 14ms/step
>6, 312/468, d=0.435, g=3.616
2/2 [==============================] - 0s 6ms/step
>6, 313/468, d=0.310, g=7.236
2/2 [==============================] - 0s 11ms/step
>6, 314/468, d=0.313, g=4.781
2/2 [==============================] - 0s 4ms/step
>6, 315/468, d=0.313, g=2.274
2/2 [==============================] - 0s 5ms/step
>6, 316/468, d=0.298, g=1.477
2/2 [==============================] - 0s 4ms/step
>6, 317/468, d=0.331, g=3.931
2/2 [==============================] - 0s 9ms/step
>6, 318/468, d=0.301, g=6.295
2/2 [==============================] - 0s 13ms/step
>6, 319/468, d=0.669, g=0.832
2/2 [==============================] - 0s 6ms/step
>6, 320/468, d=0.612, g=2.331
2/2 [==============================] - 0s 10ms/step
```

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>6, 321/468, d=0.464, g=5.007
2/2 [==============================] - 0s 6ms/step
>6, 322/468, d=0.603, g=0.683
2/2 [==============================] - 0s 12ms/step
>6, 323/468, d=0.375, g=2.599
2/2 [==============================] - 0s 5ms/step
>6, 324/468, d=0.261, g=4.200
2/2 [==============================] - 0s 4ms/step
>6, 325/468, d=0.449, g=2.950
2/2 [==============================] - 0s 13ms/step
>6, 326/468, d=0.344, g=5.865
2/2 [==============================] - 0s 7ms/step
>6, 327/468, d=0.260, g=4.399
2/2 [==============================] - 0s 10ms/step
>6, 328/468, d=0.318, g=2.193
2/2 [==============================] - 0s 15ms/step
>6, 329/468, d=0.359, g=2.180
2/2 [==============================] - 0s 5ms/step
>6, 330/468, d=0.356, g=2.628
2/2 [==============================] - 0s 6ms/step
>6, 331/468, d=0.233, g=1.284
2/2 [==============================] - 0s 6ms/step
>6, 332/468, d=0.193, g=1.716
2/2 [==============================] - 0s 6ms/step
>6, 333/468, d=0.332, g=3.383
2/2 [==============================] - 0s 11ms/step
>6, 334/468, d=0.212, g=4.607
2/2 [==============================] - 0s 5ms/step
>6, 335/468, d=0.272, g=4.767
2/2 [==============================] - 0s 13ms/step
>6, 336/468, d=0.304, g=2.532
2/2 [==============================] - 0s 6ms/step
>6, 337/468, d=0.248, g=1.812
2/2 [==============================] - 0s 12ms/step
>6, 338/468, d=0.274, g=1.865
2/2 [==============================] - 0s 5ms/step
>6, 339/468, d=0.305, g=2.687
2/2 [==============================] - 0s 14ms/step
>6, 340/468, d=0.355, g=2.448
2/2 [==============================] - 0s 6ms/step
>6, 341/468, d=0.393, g=2.694
2/2 [==============================] - 0s 5ms/step
>6, 342/468, d=0.372, g=1.832
2/2 [==============================] - 0s 10ms/step
>6, 343/468, d=0.324, g=1.955
2/2 [==============================] - 0s 5ms/step
>6, 344/468, d=0.231, g=3.422
2/2 [==============================] - 0s 5ms/step
>6, 345/468, d=0.352, g=3.319
2/2 [==============================] - 0s 5ms/step
>6, 346/468, d=0.339, g=3.949
2/2 [==============================] - 0s 6ms/step
>6, 347/468, d=0.318, g=4.603
2/2 [==============================] - 0s 7ms/step
>6, 348/468, d=0.272, g=6.692
2/2 [==============================] - 0s 8ms/step
>6, 349/468, d=0.560, g=0.552
2/2 [==============================] - 0s 9ms/step
>6, 350/468, d=0.377, g=1.147
2/2 [==============================] - 0s 9ms/step
>6, 351/468, d=0.541, g=3.571
2/2 [==============================] - 0s 5ms/step
>6, 352/468, d=0.545, g=4.944
2/2 [==============================] - 0s 7ms/step
```

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>6, 353/468, d=0.383, g=8.382
2/2 [==============================] - 0s 7ms/step
>6, 354/468, d=0.462, g=6.044
2/2 [==============================] - 0s 4ms/step
>6, 355/468, d=0.352, g=1.769
2/2 [==============================] - 0s 4ms/step
>6, 356/468, d=0.351, g=2.076
2/2 [==============================] - 0s 8ms/step
>6, 357/468, d=0.383, g=1.222
2/2 [==============================] - 0s 6ms/step
>6, 358/468, d=0.291, g=1.817
2/2 [==============================] - 0s 8ms/step
>6, 359/468, d=0.195, g=1.629
2/2 [==============================] - 0s 6ms/step
>6, 360/468, d=0.208, g=2.220
2/2 [==============================] - 0s 9ms/step
>6, 361/468, d=0.323, g=1.647
2/2 [==============================] - 0s 12ms/step
>6, 362/468, d=0.336, g=0.622
2/2 [==============================] - 0s 4ms/step
>6, 363/468, d=0.396, g=1.611
2/2 [==============================] - 0s 16ms/step
>6, 364/468, d=0.329, g=4.341
2/2 [==============================] - 0s 5ms/step
>6, 365/468, d=0.281, g=4.424
2/2 [==============================] - 0s 6ms/step
>6, 366/468, d=0.210, g=4.629
2/2 [==============================] - 0s 6ms/step
>6, 367/468, d=0.369, g=5.677
2/2 [==============================] - 0s 7ms/step
>6, 368/468, d=0.298, g=4.574
2/2 [==============================] - 0s 6ms/step
>6, 369/468, d=0.297, g=3.102
2/2 [==============================] - 0s 10ms/step
>6, 370/468, d=0.266, g=0.989
2/2 [==============================] - 0s 6ms/step
>6, 371/468, d=0.317, g=1.149
2/2 [==============================] - 0s 4ms/step
>6, 372/468, d=0.356, g=2.244
2/2 [==============================] - 0s 11ms/step
>6, 373/468, d=0.258, g=4.091
2/2 [==============================] - 0s 8ms/step
>6, 374/468, d=0.222, g=3.310
2/2 [==============================] - 0s 10ms/step
>6, 375/468, d=0.356, g=5.304
2/2 [==============================] - 0s 18ms/step
>6, 376/468, d=0.283, g=3.234
2/2 [==============================] - 0s 4ms/step
>6, 377/468, d=0.413, g=0.152
2/2 [==============================] - 0s 5ms/step
>6, 378/468, d=0.390, g=0.296
2/2 [==============================] - 0s 6ms/step
>6, 379/468, d=0.300, g=1.239
2/2 [==============================] - 0s 15ms/step
>6, 380/468, d=0.303, g=2.698
2/2 [==============================] - 0s 6ms/step
>6, 381/468, d=0.306, g=2.893
2/2 [==============================] - 0s 6ms/step
>6, 382/468, d=0.328, g=3.407
2/2 [==============================] - 0s 15ms/step
>6, 383/468, d=0.286, g=3.266
2/2 [==============================] - 0s 12ms/step
>6, 384/468, d=0.273, g=2.550
2/2 [==============================] - 0s 5ms/step
```

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>6, 385/468, d=0.366, g=5.249
2/2 [==============================] - 0s 18ms/step
>6, 386/468, d=0.262, g=3.721
2/2 [==============================] - 0s 5ms/step
>6, 387/468, d=0.268, g=1.690
2/2 [==============================] - 0s 6ms/step
>6, 388/468, d=0.428, g=1.436
2/2 [==============================] - 0s 5ms/step
>6, 389/468, d=0.305, g=5.356
2/2 [==============================] - 0s 11ms/step
>6, 390/468, d=0.383, g=1.809
2/2 [==============================] - 0s 4ms/step
>6, 391/468, d=0.336, g=2.487
2/2 [==============================] - 0s 7ms/step
>6, 392/468, d=0.335, g=3.932
2/2 [==============================] - 0s 6ms/step
>6, 393/468, d=0.324, g=4.911
2/2 [==============================] - 0s 11ms/step
>6, 394/468, d=0.245, g=3.483
2/2 [==============================] - 0s 9ms/step
>6, 395/468, d=0.177, g=2.619
2/2 [==============================] - 0s 6ms/step
>6, 396/468, d=0.448, g=0.834
2/2 [==============================] - 0s 4ms/step
>6, 397/468, d=0.336, g=2.060
2/2 [==============================] - 0s 11ms/step
>6, 398/468, d=0.268, g=3.825
2/2 [==============================] - 0s 8ms/step
>6, 399/468, d=0.330, g=3.430
2/2 [==============================] - 0s 13ms/step
>6, 400/468, d=0.345, g=3.501
2/2 [==============================] - 0s 6ms/step
>6, 401/468, d=0.362, g=5.395
2/2 [==============================] - 0s 4ms/step
>6, 402/468, d=0.341, g=1.529
2/2 [==============================] - 0s 5ms/step
>6, 403/468, d=0.267, g=2.937
2/2 [==============================] - 0s 7ms/step
>6, 404/468, d=0.281, g=3.383
2/2 [==============================] - 0s 6ms/step
>6, 405/468, d=0.345, g=7.911
2/2 [==============================] - 0s 6ms/step
>6, 406/468, d=0.359, g=3.004
2/2 [==============================] - 0s 6ms/step
>6, 407/468, d=0.265, g=1.183
2/2 [==============================] - 0s 11ms/step
>6, 408/468, d=0.313, g=2.008
2/2 [==============================] - 0s 5ms/step
>6, 409/468, d=0.417, g=1.962
2/2 [==============================] - 0s 12ms/step
>6, 410/468, d=0.339, g=0.852
2/2 [==============================] - 0s 5ms/step
>6, 411/468, d=0.237, g=0.274
2/2 [==============================] - 0s 6ms/step
>6, 412/468, d=0.183, g=0.418
2/2 [==============================] - 0s 4ms/step
>6, 413/468, d=0.251, g=1.349
2/2 [==============================] - 0s 4ms/step
>6, 414/468, d=0.277, g=2.507
2/2 [==============================] - 0s 6ms/step
>6, 415/468, d=0.260, g=5.316
2/2 [==============================] - 0s 9ms/step
>6, 416/468, d=0.317, g=1.553
2/2 [==============================] - 0s 4ms/step
```

```
>6, 417/468, d=0.326, g=2.311
2/2 [==============================] - 0s 7ms/step
>6, 418/468, d=0.425, g=2.269
2/2 [==============================] - 0s 10ms/step
>6, 419/468, d=0.294, g=3.910
2/2 [==============================] - 0s 4ms/step
>6, 420/468, d=0.258, g=3.623
2/2 [==============================] - 0s 6ms/step
>6, 421/468, d=0.268, g=3.254
2/2 [==============================] - 0s 5ms/step
>6, 422/468, d=0.173, g=2.465
2/2 [==============================] - 0s 6ms/step
>6, 423/468, d=0.358, g=5.104
2/2 [==============================] - 0s 5ms/step
>6, 424/468, d=0.315, g=4.287
2/2 [==============================] - 0s 5ms/step
>6, 425/468, d=0.331, g=4.081
2/2 [==============================] - 0s 4ms/step
>6, 426/468, d=0.317, g=4.485
2/2 [==============================] - 0s 17ms/step
>6, 427/468, d=0.247, g=4.413
2/2 [==============================] - 0s 8ms/step
>6, 428/468, d=0.430, g=2.166
2/2 [==============================] - 0s 8ms/step
>6, 429/468, d=0.360, g=5.592
2/2 [==============================] - 0s 5ms/step
>6, 430/468, d=0.307, g=2.973
2/2 [==============================] - 0s 7ms/step
>6, 431/468, d=0.299, g=4.840
2/2 [==============================] - 0s 4ms/step
>6, 432/468, d=0.291, g=4.423
2/2 [==============================] - 0s 9ms/step
>6, 433/468, d=0.295, g=5.476
2/2 [==============================] - 0s 8ms/step
>6, 434/468, d=0.311, g=2.703
2/2 [==============================] - 0s 4ms/step
>6, 435/468, d=0.285, g=1.630
2/2 [==============================] - 0s 10ms/step
>6, 436/468, d=0.316, g=2.656
2/2 [==============================] - 0s 13ms/step
>6, 437/468, d=0.397, g=6.093
2/2 [==============================] - 0s 7ms/step
>6, 438/468, d=0.191, g=7.825
2/2 [==============================] - 0s 14ms/step
>6, 439/468, d=0.332, g=2.767
2/2 [==============================] - 0s 11ms/step
>6, 440/468, d=0.330, g=0.485
2/2 [==============================] - 0s 7ms/step
>6, 441/468, d=0.273, g=0.326
2/2 [==============================] - 0s 8ms/step
>6, 442/468, d=0.351, g=1.088
2/2 [==============================] - 0s 7ms/step
>6, 443/468, d=0.343, g=2.704
2/2 [==============================] - 0s 6ms/step
>6, 444/468, d=0.370, g=7.135
2/2 [==============================] - 0s 5ms/step
>6, 445/468, d=0.413, g=6.759
2/2 [==============================] - 0s 11ms/step
>6, 446/468, d=0.283, g=4.513
2/2 [==============================] - 0s 5ms/step
>6, 447/468, d=0.371, g=2.524
2/2 [==============================] - 0s 4ms/step
>6, 448/468, d=0.287, g=1.568
2/2 [==============================] - 0s 6ms/step
```

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>6, 449/468, d=0.257, g=1.123
2/2 [==============================] - 0s 15ms/step
>6, 450/468, d=0.371, g=3.520
2/2 [==============================] - 0s 5ms/step
>6, 451/468, d=0.330, g=1.168
2/2 [==============================] - 0s 6ms/step
>6, 452/468, d=0.234, g=1.378
2/2 [==============================] - 0s 6ms/step
>6, 453/468, d=0.289, g=3.637
2/2 [==============================] - 0s 7ms/step
>6, 454/468, d=0.417, g=1.657
2/2 [==============================] - 0s 11ms/step
>6, 455/468, d=0.244, g=1.605
2/2 [==============================] - 0s 13ms/step
>6, 456/468, d=0.265, g=1.495
2/2 [==============================] - 0s 12ms/step
>6, 457/468, d=0.187, g=1.873
2/2 [==============================] - 0s 5ms/step
>6, 458/468, d=0.315, g=3.129
2/2 [==============================] - 0s 10ms/step
>6, 459/468, d=0.272, g=4.787
2/2 [==============================] - 0s 7ms/step
>6, 460/468, d=0.212, g=4.287
2/2 [==============================] - 0s 6ms/step
>6, 461/468, d=0.413, g=7.791
2/2 [==============================] - 0s 5ms/step
>6, 462/468, d=0.345, g=5.848
2/2 [==============================] - 0s 10ms/step
>6, 463/468, d=0.430, g=7.334
2/2 [==============================] - 0s 11ms/step
>6, 464/468, d=0.353, g=1.965
2/2 [==============================] - 0s 5ms/step
>6, 465/468, d=0.351, g=2.223
2/2 [==============================] - 0s 15ms/step
>6, 466/468, d=0.241, g=1.403
2/2 [==============================] - 0s 6ms/step
>6, 467/468, d=0.338, g=2.888
2/2 [==============================] - 0s 7ms/step
>6, 468/468, d=0.400, g=3.191
2/2 [==============================] - 0s 16ms/step
>7, 1/468, d=0.377, g=4.596
2/2 [==============================] - 0s 6ms/step
>7, 2/468, d=0.481, g=0.664
2/2 [==============================] - 0s 9ms/step
>7, 3/468, d=0.272, g=0.531
2/2 [==============================] - 0s 6ms/step
>7, 4/468, d=0.280, g=1.454
2/2 [==============================] - 0s 8ms/step
>7, 5/468, d=0.323, g=3.006
2/2 [==============================] - 0s 10ms/step
>7, 6/468, d=0.370, g=6.747
2/2 [==============================] - 0s 6ms/step
>7, 7/468, d=0.575, g=0.888
2/2 [==============================] - 0s 8ms/step
>7, 8/468, d=0.382, g=1.849
2/2 [==============================] - 0s 4ms/step
>7, 9/468, d=0.226, g=1.134
2/2 [==============================] - 0s 14ms/step
>7, 10/468, d=0.370, g=3.114
2/2 [==============================] - 0s 12ms/step
>7, 11/468, d=0.266, g=4.306
2/2 [==============================] - 0s 6ms/step
>7, 12/468, d=0.334, g=7.601
2/2 [==============================] - 0s 6ms/step
```

```
>7, 13/468, d=0.413, g=7.237
2/2 [==============================] - 0s 7ms/step
>7, 14/468, d=0.358, g=5.336
2/2 [==============================] - 0s 9ms/step
>7, 15/468, d=0.485, g=0.950
2/2 [==============================] - 0s 5ms/step
>7, 16/468, d=0.306, g=0.306
2/2 [==============================] - 0s 6ms/step
>7, 17/468, d=0.288, g=0.491
2/2 [==============================] - 0s 16ms/step
>7, 18/468, d=0.349, g=1.357
2/2 [==============================] - 0s 7ms/step
>7, 19/468, d=0.371, g=2.076
2/2 [==============================] - 0s 5ms/step
>7, 20/468, d=0.288, g=5.580
2/2 [==============================] - 0s 5ms/step
>7, 21/468, d=0.390, g=6.345
2/2 [==============================] - 0s 8ms/step
>7, 22/468, d=0.317, g=5.428
2/2 [==============================] - 0s 4ms/step
>7, 23/468, d=0.355, g=4.664
2/2 [==============================] - 0s 5ms/step
>7, 24/468, d=0.239, g=3.653
2/2 [==============================] - 0s 6ms/step
>7, 25/468, d=0.269, g=4.960
2/2 [==============================] - 0s 11ms/step
>7, 26/468, d=0.286, g=2.625
2/2 [==============================] - 0s 7ms/step
>7, 27/468, d=0.294, g=3.036
2/2 [==============================] - 0s 7ms/step
>7, 28/468, d=0.391, g=4.204
2/2 [==============================] - 0s 6ms/step
>7, 29/468, d=0.169, g=3.833
2/2 [==============================] - 0s 5ms/step
>7, 30/468, d=0.336, g=3.156
2/2 [==============================] - 0s 8ms/step
>7, 31/468, d=0.333, g=2.405
2/2 [==============================] - 0s 11ms/step
>7, 32/468, d=0.292, g=3.668
2/2 [==============================] - 0s 6ms/step
>7, 33/468, d=0.381, g=1.591
2/2 [==============================] - 0s 8ms/step
>7, 34/468, d=0.245, g=2.644
2/2 [==============================] - 0s 5ms/step
>7, 35/468, d=0.291, g=4.193
2/2 [==============================] - 0s 12ms/step
>7, 36/468, d=0.316, g=1.252
2/2 [==============================] - 0s 12ms/step
>7, 37/468, d=0.312, g=2.677
2/2 [==============================] - 0s 13ms/step
>7, 38/468, d=0.317, g=4.359
2/2 [==============================] - 0s 5ms/step
>7, 39/468, d=0.435, g=5.464
2/2 [==============================] - 0s 6ms/step
>7, 40/468, d=0.332, g=2.572
2/2 [==============================] - 0s 5ms/step
>7, 41/468, d=0.380, g=4.613
2/2 [==============================] - 0s 5ms/step
>7, 42/468, d=0.522, g=4.387
2/2 [==============================] - 0s 5ms/step
>7, 43/468, d=0.376, g=7.124
2/2 [==============================] - 0s 5ms/step
>7, 44/468, d=0.332, g=4.600
2/2 [==============================] - 0s 8ms/step
```

```
>7, 45/468, d=0.436, g=7.308
2/2 [==============================] - 0s 5ms/step
>7, 46/468, d=0.403, g=1.325
2/2 [==============================] - 0s 5ms/step
>7, 47/468, d=0.394, g=1.312
2/2 [==============================] - 0s 5ms/step
>7, 48/468, d=0.270, g=0.477
2/2 [==============================] - 0s 5ms/step
>7, 49/468, d=0.241, g=0.764
2/2 [==============================] - 0s 5ms/step
>7, 50/468, d=0.336, g=1.732
2/2 [==============================] - 0s 6ms/step
>7, 51/468, d=0.270, g=1.040
2/2 [==============================] - 0s 5ms/step
>7, 52/468, d=0.380, g=0.958
2/2 [==============================] - 0s 4ms/step
>7, 53/468, d=0.280, g=0.557
2/2 [==============================] - 0s 4ms/step
>7, 54/468, d=0.421, g=1.462
2/2 [==============================] - 0s 6ms/step
>7, 55/468, d=0.289, g=6.890
2/2 [==============================] - 0s 5ms/step
>7, 56/468, d=0.388, g=3.105
2/2 [==============================] - 0s 6ms/step
>7, 57/468, d=0.265, g=1.967
2/2 [==============================] - 0s 4ms/step
>7, 58/468, d=0.377, g=3.519
2/2 [==============================] - 0s 10ms/step
>7, 59/468, d=0.411, g=5.057
2/2 [==============================] - 0s 12ms/step
>7, 60/468, d=0.214, g=2.199
2/2 [==============================] - 0s 6ms/step
>7, 61/468, d=0.413, g=2.039
2/2 [==============================] - 0s 6ms/step
>7, 62/468, d=0.346, g=1.293
2/2 [==============================] - 0s 14ms/step
>7, 63/468, d=0.609, g=5.288
2/2 [==============================] - 0s 5ms/step
>7, 64/468, d=0.375, g=5.976
2/2 [==============================] - 0s 5ms/step
>7, 65/468, d=0.322, g=3.169
2/2 [==============================] - 0s 5ms/step
>7, 66/468, d=0.396, g=2.732
2/2 [==============================] - 0s 12ms/step
>7, 67/468, d=0.241, g=5.355
2/2 [==============================] - 0s 7ms/step
>7, 68/468, d=0.336, g=7.930
2/2 [==============================] - 0s 7ms/step
>7, 69/468, d=0.353, g=3.505
2/2 [==============================] - 0s 9ms/step
>7, 70/468, d=0.396, g=2.382
2/2 [==============================] - 0s 6ms/step
>7, 71/468, d=0.243, g=1.906
2/2 [==============================] - 0s 18ms/step
>7, 72/468, d=0.473, g=0.333
2/2 [==============================] - 0s 10ms/step
>7, 73/468, d=0.407, g=6.069
2/2 [==============================] - 0s 7ms/step
>7, 74/468, d=0.330, g=4.179
2/2 [==============================] - 0s 4ms/step
>7, 75/468, d=0.394, g=0.137
2/2 [==============================] - 0s 17ms/step
>7, 76/468, d=0.088, g=0.204
2/2 [==============================] - 0s 7ms/step
```

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>7, 77/468, d=0.045, g=0.578
2/2 [==============================] - 0s 6ms/step
>7, 78/468, d=0.082, g=1.619
2/2 [==============================] - 0s 8ms/step
>7, 79/468, d=0.144, g=1.876
2/2 [==============================] - 0s 6ms/step
>7, 80/468, d=0.251, g=3.644
2/2 [==============================] - 0s 6ms/step
>7, 81/468, d=0.351, g=10.166
2/2 [==============================] - 0s 12ms/step
>7, 82/468, d=0.524, g=10.204
2/2 [==============================] - 0s 11ms/step
>7, 83/468, d=0.373, g=4.087
2/2 [==============================] - 0s 5ms/step
>7, 84/468, d=0.145, g=6.408
2/2 [==============================] - 0s 8ms/step
>7, 85/468, d=0.147, g=8.775
2/2 [==============================] - 0s 7ms/step
>7, 86/468, d=0.214, g=10.592
2/2 [==============================] - 0s 6ms/step
>7, 87/468, d=0.466, g=9.751
2/2 [==============================] - 0s 4ms/step
>7, 88/468, d=0.447, g=4.088
2/2 [==============================] - 0s 9ms/step
>7, 89/468, d=0.283, g=1.445
2/2 [==============================] - 0s 13ms/step
>7, 90/468, d=0.340, g=2.684
2/2 [==============================] - 0s 14ms/step
>7, 91/468, d=0.195, g=5.230
2/2 [==============================] - 0s 9ms/step
>7, 92/468, d=0.266, g=3.603
2/2 [==============================] - 0s 5ms/step
>7, 93/468, d=0.314, g=3.742
2/2 [==============================] - 0s 7ms/step
>7, 94/468, d=0.312, g=3.904
2/2 [==============================] - 0s 6ms/step
>7, 95/468, d=0.410, g=5.913
2/2 [==============================] - 0s 7ms/step
>7, 96/468, d=0.392, g=7.771
2/2 [==============================] - 0s 12ms/step
>7, 97/468, d=0.291, g=8.374
2/2 [==============================] - 0s 11ms/step
>7, 98/468, d=0.310, g=4.223
2/2 [==============================] - 0s 12ms/step
>7, 99/468, d=0.317, g=5.407
2/2 [==============================] - 0s 6ms/step
>7, 100/468, d=0.368, g=4.499
2/2 [==============================] - 0s 7ms/step
>7, 101/468, d=0.325, g=3.040
2/2 [==============================] - 0s 6ms/step
>7, 102/468, d=0.293, g=2.458
2/2 [==============================] - 0s 10ms/step
>7, 103/468, d=0.384, g=3.021
2/2 [==============================] - 0s 9ms/step
>7, 104/468, d=0.340, g=4.092
2/2 [==============================] - 0s 4ms/step
>7, 105/468, d=0.250, g=4.850
2/2 [==============================] - 0s 5ms/step
>7, 106/468, d=0.403, g=5.575
2/2 [==============================] - 0s 8ms/step
>7, 107/468, d=0.275, g=1.087
2/2 [==============================] - 0s 10ms/step
>7, 108/468, d=0.239, g=1.654
2/2 [==============================] - 0s 7ms/step
```

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>7, 109/468, d=0.273, g=1.914
2/2 [==============================] - 0s 6ms/step
>7, 110/468, d=0.834, g=9.378
2/2 [==============================] - 0s 6ms/step
>7, 111/468, d=0.913, g=0.127
2/2 [==============================] - 0s 9ms/step
>7, 112/468, d=0.136, g=0.777
2/2 [==============================] - 0s 12ms/step
>7, 113/468, d=0.070, g=0.861
2/2 [==============================] - 0s 4ms/step
>7, 114/468, d=0.927, g=0.831
2/2 [==============================] - 0s 9ms/step
>7, 115/468, d=0.734, g=1.688
2/2 [==============================] - 0s 6ms/step
>7, 116/468, d=0.447, g=6.172
2/2 [==============================] - 0s 10ms/step
>7, 117/468, d=0.389, g=13.538
2/2 [==============================] - 0s 5ms/step
>7, 118/468, d=0.374, g=8.003
2/2 [==============================] - 0s 5ms/step
>7, 119/468, d=0.318, g=3.358
2/2 [==============================] - 0s 5ms/step
>7, 120/468, d=0.145, g=1.797
2/2 [==============================] - 0s 5ms/step
>7, 121/468, d=0.348, g=2.198
2/2 [==============================] - 0s 6ms/step
>7, 122/468, d=0.490, g=3.244
2/2 [==============================] - 0s 5ms/step
>7, 123/468, d=0.651, g=5.869
2/2 [==============================] - 0s 5ms/step
>7, 124/468, d=0.634, g=5.948
2/2 [==============================] - 0s 7ms/step
>7, 125/468, d=0.448, g=2.995
2/2 [==============================] - 0s 12ms/step
>7, 126/468, d=0.337, g=4.464
2/2 [==============================] - 0s 8ms/step
>7, 127/468, d=0.421, g=9.078
2/2 [==============================] - 0s 13ms/step
>7, 128/468, d=0.356, g=8.637
2/2 [==============================] - 0s 9ms/step
>7, 129/468, d=0.324, g=10.390
2/2 [==============================] - 0s 8ms/step
>7, 130/468, d=0.294, g=7.516
2/2 [==============================] - 0s 10ms/step
>7, 131/468, d=0.354, g=3.405
2/2 [==============================] - 0s 6ms/step
>7, 132/468, d=0.297, g=1.925
2/2 [==============================] - 0s 7ms/step
>7, 133/468, d=0.331, g=3.276
2/2 [==============================] - 0s 18ms/step
>7, 134/468, d=0.260, g=2.699
2/2 [==============================] - 0s 7ms/step
>7, 135/468, d=0.340, g=2.799
2/2 [==============================] - 0s 5ms/step
>7, 136/468, d=0.330, g=3.391
2/2 [==============================] - 0s 4ms/step
>7, 137/468, d=0.224, g=5.154
2/2 [==============================] - 0s 7ms/step
>7, 138/468, d=0.381, g=5.126
2/2 [==============================] - 0s 6ms/step
>7, 139/468, d=0.275, g=2.359
2/2 [==============================] - 0s 11ms/step
>7, 140/468, d=0.307, g=2.523
2/2 [==============================] - 0s 4ms/step
```

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>7, 141/468, d=0.250, g=3.083
2/2 [==============================] - 0s 5ms/step
>7, 142/468, d=0.294, g=2.230
2/2 [==============================] - 0s 8ms/step
>7, 143/468, d=0.364, g=3.933
2/2 [==============================] - 0s 6ms/step
>7, 144/468, d=0.382, g=5.345
2/2 [==============================] - 0s 10ms/step
>7, 145/468, d=0.349, g=3.373
2/2 [==============================] - 0s 7ms/step
>7, 146/468, d=0.321, g=5.008
2/2 [==============================] - 0s 6ms/step
>7, 147/468, d=0.312, g=6.249
2/2 [==============================] - 0s 7ms/step
>7, 148/468, d=0.300, g=8.635
2/2 [==============================] - 0s 15ms/step
>7, 149/468, d=0.223, g=7.021
2/2 [==============================] - 0s 12ms/step
>7, 150/468, d=0.336, g=2.338
2/2 [==============================] - 0s 14ms/step
>7, 151/468, d=0.197, g=1.542
2/2 [==============================] - 0s 4ms/step
>7, 152/468, d=0.404, g=2.992
2/2 [==============================] - 0s 4ms/step
>7, 153/468, d=0.436, g=1.308
2/2 [==============================] - 0s 7ms/step
>7, 154/468, d=0.393, g=2.752
2/2 [==============================] - 0s 13ms/step
>7, 155/468, d=0.322, g=4.248
2/2 [==============================] - 0s 6ms/step
>7, 156/468, d=0.318, g=0.294
2/2 [==============================] - 0s 12ms/step
>7, 157/468, d=0.193, g=0.657
2/2 [==============================] - 0s 6ms/step
>7, 158/468, d=0.161, g=1.678
2/2 [==============================] - 0s 6ms/step
>7, 159/468, d=0.328, g=3.698
2/2 [==============================] - 0s 6ms/step
>7, 160/468, d=0.401, g=3.962
2/2 [==============================] - 0s 4ms/step
>7, 161/468, d=0.300, g=5.946
2/2 [==============================] - 0s 7ms/step
>7, 162/468, d=0.246, g=5.541
2/2 [==============================] - 0s 8ms/step
>7, 163/468, d=0.306, g=3.071
2/2 [==============================] - 0s 7ms/step
>7, 164/468, d=0.426, g=4.252
2/2 [==============================] - 0s 13ms/step
>7, 165/468, d=0.353, g=4.017
2/2 [==============================] - 0s 5ms/step
>7, 166/468, d=0.170, g=3.442
2/2 [==============================] - 0s 13ms/step
>7, 167/468, d=0.307, g=5.795
2/2 [==============================] - 0s 13ms/step
>7, 168/468, d=0.370, g=7.968
2/2 [==============================] - 0s 5ms/step
>7, 169/468, d=0.384, g=10.138
2/2 [==============================] - 0s 5ms/step
>7, 170/468, d=0.419, g=5.702
2/2 [==============================] - 0s 8ms/step
>7, 171/468, d=0.376, g=2.032
2/2 [==============================] - 0s 12ms/step
>7, 172/468, d=0.372, g=4.658
2/2 [==============================] - 0s 8ms/step
```

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>7, 173/468, d=0.391, g=4.970
2/2 [==============================] - 0s 5ms/step
>7, 174/468, d=0.395, g=2.701
2/2 [==============================] - 0s 5ms/step
>7, 175/468, d=0.258, g=1.033
2/2 [==============================] - 0s 5ms/step
>7, 176/468, d=0.421, g=1.162
2/2 [==============================] - 0s 9ms/step
>7, 177/468, d=0.291, g=0.196
2/2 [==============================] - 0s 10ms/step
>7, 178/468, d=0.296, g=0.567
2/2 [==============================] - 0s 7ms/step
>7, 179/468, d=0.266, g=2.389
2/2 [==============================] - 0s 6ms/step
>7, 180/468, d=0.207, g=1.859
2/2 [==============================] - 0s 7ms/step
>7, 181/468, d=0.488, g=3.966
2/2 [==============================] - 0s 10ms/step
>7, 182/468, d=0.542, g=2.095
2/2 [==============================] - 0s 15ms/step
>7, 183/468, d=0.346, g=0.984
2/2 [==============================] - 0s 6ms/step
>7, 184/468, d=0.291, g=1.199
2/2 [==============================] - 0s 13ms/step
>7, 185/468, d=0.374, g=0.245
2/2 [==============================] - 0s 13ms/step
>7, 186/468, d=0.324, g=0.552
2/2 [==============================] - 0s 8ms/step
>7, 187/468, d=0.188, g=1.186
2/2 [==============================] - 0s 6ms/step
>7, 188/468, d=0.355, g=4.933
2/2 [==============================] - 0s 4ms/step
>7, 189/468, d=0.332, g=6.564
2/2 [==============================] - 0s 15ms/step
>7, 190/468, d=0.255, g=6.118
2/2 [==============================] - 0s 7ms/step
>7, 191/468, d=0.435, g=5.794
2/2 [==============================] - 0s 4ms/step
>7, 192/468, d=0.305, g=4.282
2/2 [==============================] - 0s 9ms/step
>7, 193/468, d=0.341, g=3.007
2/2 [==============================] - 0s 9ms/step
>7, 194/468, d=0.274, g=5.316
2/2 [==============================] - 0s 8ms/step
>7, 195/468, d=0.413, g=3.963
2/2 [==============================] - 0s 5ms/step
>7, 196/468, d=0.385, g=4.703
2/2 [==============================] - 0s 5ms/step
>7, 197/468, d=0.331, g=1.226
2/2 [==============================] - 0s 7ms/step
>7, 198/468, d=0.292, g=0.463
2/2 [==============================] - 0s 10ms/step
>7, 199/468, d=0.316, g=1.805
2/2 [==============================] - 0s 8ms/step
>7, 200/468, d=0.266, g=3.429
2/2 [==============================] - 0s 9ms/step
>7, 201/468, d=0.299, g=1.638
2/2 [==============================] - 0s 5ms/step
>7, 202/468, d=0.307, g=3.492
2/2 [==============================] - 0s 9ms/step
>7, 203/468, d=0.415, g=5.828
2/2 [==============================] - 0s 14ms/step
>7, 204/468, d=0.230, g=4.660
2/2 [==============================] - 0s 5ms/step
```

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>7, 205/468, d=0.239, g=1.195
2/2 [==============================] - 0s 5ms/step
>7, 206/468, d=0.179, g=0.945
2/2 [==============================] - 0s 5ms/step
>7, 207/468, d=0.301, g=1.109
2/2 [==============================] - 0s 7ms/step
>7, 208/468, d=0.267, g=2.696
2/2 [==============================] - 0s 9ms/step
>7, 209/468, d=0.231, g=5.175
2/2 [==============================] - 0s 9ms/step
>7, 210/468, d=0.213, g=6.552
2/2 [==============================] - 0s 7ms/step
>7, 211/468, d=0.328, g=5.125
2/2 [==============================] - 0s 5ms/step
>7, 212/468, d=0.318, g=7.997
2/2 [==============================] - 0s 12ms/step
>7, 213/468, d=0.348, g=6.451
2/2 [==============================] - 0s 9ms/step
>7, 214/468, d=0.461, g=5.744
2/2 [==============================] - 0s 12ms/step
>7, 215/468, d=0.312, g=4.262
2/2 [==============================] - 0s 6ms/step
>7, 216/468, d=0.340, g=3.678
2/2 [==============================] - 0s 12ms/step
>7, 217/468, d=0.402, g=5.305
2/2 [==============================] - 0s 6ms/step
>7, 218/468, d=0.312, g=0.750
2/2 [==============================] - 0s 7ms/step
>7, 219/468, d=0.284, g=0.483
2/2 [==============================] - 0s 8ms/step
>7, 220/468, d=0.255, g=1.177
2/2 [==============================] - 0s 5ms/step
>7, 221/468, d=0.424, g=0.752
2/2 [==============================] - 0s 4ms/step
>7, 222/468, d=0.236, g=1.489
2/2 [==============================] - 0s 6ms/step
>7, 223/468, d=0.256, g=2.504
2/2 [==============================] - 0s 11ms/step
>7, 224/468, d=0.332, g=3.145
2/2 [==============================] - 0s 6ms/step
>7, 225/468, d=0.363, g=7.145
2/2 [==============================] - 0s 6ms/step
>7, 226/468, d=0.196, g=5.340
2/2 [==============================] - 0s 4ms/step
>7, 227/468, d=0.283, g=5.519
2/2 [==============================] - 0s 10ms/step
>7, 228/468, d=0.329, g=2.626
2/2 [==============================] - 0s 13ms/step
>7, 229/468, d=0.307, g=3.260
2/2 [==============================] - 0s 7ms/step
>7, 230/468, d=0.376, g=1.598
2/2 [==============================] - 0s 13ms/step
>7, 231/468, d=0.294, g=2.366
2/2 [==============================] - 0s 4ms/step
>7, 232/468, d=0.354, g=5.310
2/2 [==============================] - 0s 5ms/step
>7, 233/468, d=0.322, g=3.504
2/2 [==============================] - 0s 7ms/step
>7, 234/468, d=0.307, g=2.705
2/2 [==============================] - 0s 7ms/step
>7, 235/468, d=0.531, g=0.406
2/2 [==============================] - 0s 9ms/step
>7, 236/468, d=0.312, g=0.563
2/2 [==============================] - 0s 12ms/step
```

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>7, 237/468, d=0.313, g=0.802
2/2 [==============================] - 0s 6ms/step
>7, 238/468, d=0.316, g=0.390
2/2 [==============================] - 0s 5ms/step
>7, 239/468, d=0.247, g=1.866
2/2 [==============================] - 0s 14ms/step
>7, 240/468, d=0.482, g=4.066
2/2 [==============================] - 0s 15ms/step
>7, 241/468, d=0.342, g=6.620
2/2 [==============================] - 0s 14ms/step
>7, 242/468, d=0.283, g=4.589
2/2 [==============================] - 0s 8ms/step
>7, 243/468, d=0.207, g=1.552
2/2 [==============================] - 0s 8ms/step
>7, 244/468, d=0.252, g=2.140
2/2 [==============================] - 0s 15ms/step
>7, 245/468, d=0.413, g=2.891
2/2 [==============================] - 0s 6ms/step
>7, 246/468, d=0.466, g=1.389
2/2 [==============================] - 0s 13ms/step
>7, 247/468, d=0.383, g=4.662
2/2 [==============================] - 0s 7ms/step
>7, 248/468, d=0.322, g=8.145
2/2 [==============================] - 0s 7ms/step
>7, 249/468, d=0.341, g=3.443
2/2 [==============================] - 0s 6ms/step
>7, 250/468, d=0.304, g=1.465
2/2 [==============================] - 0s 5ms/step
>7, 251/468, d=0.342, g=5.003
2/2 [==============================] - 0s 11ms/step
>7, 252/468, d=0.398, g=2.581
2/2 [==============================] - 0s 5ms/step
>7, 253/468, d=0.374, g=3.337
2/2 [==============================] - 0s 6ms/step
>7, 254/468, d=0.339, g=4.499
2/2 [==============================] - 0s 7ms/step
>7, 255/468, d=0.442, g=2.823
2/2 [==============================] - 0s 13ms/step
>7, 256/468, d=0.214, g=3.464
2/2 [==============================] - 0s 9ms/step
>7, 257/468, d=0.318, g=5.299
2/2 [==============================] - 0s 5ms/step
>7, 258/468, d=0.355, g=2.996
2/2 [==============================] - 0s 4ms/step
>7, 259/468, d=0.410, g=2.330
2/2 [==============================] - 0s 7ms/step
>7, 260/468, d=0.358, g=2.746
2/2 [==============================] - 0s 6ms/step
>7, 261/468, d=0.378, g=0.943
2/2 [==============================] - 0s 7ms/step
>7, 262/468, d=0.215, g=1.051
2/2 [==============================] - 0s 8ms/step
>7, 263/468, d=0.277, g=1.596
2/2 [==============================] - 0s 5ms/step
>7, 264/468, d=0.296, g=2.246
2/2 [==============================] - 0s 7ms/step
>7, 265/468, d=0.270, g=3.345
2/2 [==============================] - 0s 10ms/step
>7, 266/468, d=0.304, g=3.402
2/2 [==============================] - 0s 7ms/step
>7, 267/468, d=0.258, g=2.538
2/2 [==============================] - 0s 8ms/step
>7, 268/468, d=0.411, g=4.268
2/2 [==============================] - 0s 5ms/step
```

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>7, 269/468, d=0.326, g=1.741
2/2 [==============================] - 0s 7ms/step
>7, 270/468, d=0.303, g=0.481
2/2 [==============================] - 0s 12ms/step
>7, 271/468, d=0.222, g=1.046
2/2 [==============================] - 0s 6ms/step
>7, 272/468, d=0.283, g=0.440
2/2 [==============================] - 0s 6ms/step
>7, 273/468, d=0.382, g=2.676
2/2 [==============================] - 0s 6ms/step
>7, 274/468, d=0.296, g=3.498
2/2 [==============================] - 0s 4ms/step
>7, 275/468, d=0.379, g=2.769
2/2 [==============================] - 0s 7ms/step
>7, 276/468, d=0.282, g=2.882
2/2 [==============================] - 0s 4ms/step
>7, 277/468, d=0.314, g=3.465
2/2 [==============================] - 0s 9ms/step
>7, 278/468, d=0.297, g=3.646
2/2 [==============================] - 0s 14ms/step
>7, 279/468, d=0.309, g=4.551
2/2 [==============================] - 0s 13ms/step
>7, 280/468, d=0.388, g=5.039
2/2 [==============================] - 0s 5ms/step
>7, 281/468, d=0.347, g=6.079
2/2 [==============================] - 0s 9ms/step
>7, 282/468, d=0.307, g=3.988
2/2 [==============================] - 0s 9ms/step
>7, 283/468, d=0.357, g=4.398
2/2 [==============================] - 0s 6ms/step
>7, 284/468, d=0.408, g=3.502
2/2 [==============================] - 0s 5ms/step
>7, 285/468, d=0.328, g=2.811
2/2 [==============================] - 0s 8ms/step
>7, 286/468, d=0.205, g=6.565
2/2 [==============================] - 0s 5ms/step
>7, 287/468, d=0.389, g=2.030
2/2 [==============================] - 0s 5ms/step
>7, 288/468, d=0.431, g=2.304
2/2 [==============================] - 0s 5ms/step
>7, 289/468, d=0.286, g=4.153
2/2 [==============================] - 0s 5ms/step
>7, 290/468, d=0.423, g=3.631
2/2 [==============================] - 0s 8ms/step
>7, 291/468, d=0.254, g=2.605
2/2 [==============================] - 0s 5ms/step
>7, 292/468, d=0.397, g=4.613
2/2 [==============================] - 0s 5ms/step
>7, 293/468, d=0.350, g=7.551
2/2 [==============================] - 0s 5ms/step
>7, 294/468, d=0.411, g=6.143
2/2 [==============================] - 0s 5ms/step
>7, 295/468, d=0.326, g=2.270
2/2 [==============================] - 0s 6ms/step
>7, 296/468, d=0.340, g=4.598
2/2 [==============================] - 0s 6ms/step
>7, 297/468, d=0.418, g=1.920
2/2 [==============================] - 0s 7ms/step
>7, 298/468, d=0.304, g=0.701
2/2 [==============================] - 0s 12ms/step
>7, 299/468, d=0.308, g=4.641
2/2 [==============================] - 0s 16ms/step
>7, 300/468, d=0.343, g=1.958
2/2 [==============================] - 0s 6ms/step
```

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>7, 301/468, d=0.321, g=1.705
2/2 [==============================] - 0s 7ms/step
>7, 302/468, d=0.316, g=0.577
2/2 [==============================] - 0s 8ms/step
>7, 303/468, d=0.282, g=1.186
2/2 [==============================] - 0s 6ms/step
>7, 304/468, d=0.284, g=2.398
2/2 [==============================] - 0s 5ms/step
>7, 305/468, d=0.276, g=1.762
2/2 [==============================] - 0s 4ms/step
>7, 306/468, d=0.330, g=2.455
2/2 [==============================] - 0s 5ms/step
>7, 307/468, d=0.347, g=2.733
2/2 [==============================] - 0s 6ms/step
>7, 308/468, d=0.322, g=4.261
2/2 [==============================] - 0s 6ms/step
>7, 309/468, d=0.311, g=3.363
2/2 [==============================] - 0s 6ms/step
>7, 310/468, d=0.237, g=5.965
2/2 [==============================] - 0s 6ms/step
>7, 311/468, d=0.364, g=5.225
2/2 [==============================] - 0s 16ms/step
>7, 312/468, d=0.260, g=3.833
2/2 [==============================] - 0s 14ms/step
>7, 313/468, d=0.319, g=7.334
2/2 [==============================] - 0s 13ms/step
>7, 314/468, d=0.475, g=2.182
2/2 [==============================] - 0s 12ms/step
>7, 315/468, d=0.442, g=3.372
2/2 [==============================] - 0s 7ms/step
>7, 316/468, d=0.300, g=4.162
2/2 [==============================] - 0s 13ms/step
>7, 317/468, d=0.260, g=3.734
2/2 [==============================] - 0s 5ms/step
>7, 318/468, d=0.299, g=2.677
2/2 [==============================] - 0s 7ms/step
>7, 319/468, d=0.243, g=3.288
2/2 [==============================] - 0s 7ms/step
>7, 320/468, d=0.370, g=5.006
2/2 [==============================] - 0s 14ms/step
>7, 321/468, d=0.300, g=5.362
2/2 [==============================] - 0s 12ms/step
>7, 322/468, d=0.331, g=6.039
2/2 [==============================] - 0s 5ms/step
>7, 323/468, d=0.349, g=3.552
2/2 [==============================] - 0s 7ms/step
>7, 324/468, d=0.318, g=0.878
2/2 [==============================] - 0s 10ms/step
>7, 325/468, d=0.178, g=1.008
2/2 [==============================] - 0s 6ms/step
>7, 326/468, d=0.334, g=3.348
2/2 [==============================] - 0s 16ms/step
>7, 327/468, d=0.423, g=5.751
2/2 [==============================] - 0s 6ms/step
>7, 328/468, d=0.387, g=1.255
2/2 [==============================] - 0s 6ms/step
>7, 329/468, d=0.347, g=1.488
2/2 [==============================] - 0s 6ms/step
>7, 330/468, d=0.394, g=3.578
2/2 [==============================] - 0s 5ms/step
>7, 331/468, d=0.484, g=1.952
2/2 [==============================] - 0s 5ms/step
>7, 332/468, d=0.377, g=4.697
2/2 [==============================] - 0s 11ms/step
```

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>7, 333/468, d=0.205, g=2.746
2/2 [==============================] - 0s 5ms/step
>7, 334/468, d=0.223, g=2.499
2/2 [==============================] - 0s 10ms/step
>7, 335/468, d=0.229, g=0.651
2/2 [==============================] - 0s 12ms/step
>7, 336/468, d=0.287, g=2.275
2/2 [==============================] - 0s 6ms/step
>7, 337/468, d=0.392, g=3.761
2/2 [==============================] - 0s 15ms/step
>7, 338/468, d=0.231, g=2.636
2/2 [==============================] - 0s 6ms/step
>7, 339/468, d=0.365, g=4.558
2/2 [==============================] - 0s 6ms/step
>7, 340/468, d=0.268, g=2.269
2/2 [==============================] - 0s 5ms/step
>7, 341/468, d=0.268, g=1.331
2/2 [==============================] - 0s 12ms/step
>7, 342/468, d=0.230, g=2.176
2/2 [==============================] - 0s 7ms/step
>7, 343/468, d=0.363, g=4.246
2/2 [==============================] - 0s 5ms/step
>7, 344/468, d=0.349, g=4.194
2/2 [==============================] - 0s 6ms/step
>7, 345/468, d=0.267, g=1.884
2/2 [==============================] - 0s 13ms/step
>7, 346/468, d=0.281, g=3.821
2/2 [==============================] - 0s 5ms/step
>7, 347/468, d=0.338, g=3.814
2/2 [==============================] - 0s 9ms/step
>7, 348/468, d=0.229, g=2.747
2/2 [==============================] - 0s 5ms/step
>7, 349/468, d=0.241, g=1.275
2/2 [==============================] - 0s 6ms/step
>7, 350/468, d=0.257, g=2.895
2/2 [==============================] - 0s 5ms/step
>7, 351/468, d=0.310, g=5.145
2/2 [==============================] - 0s 5ms/step
>7, 352/468, d=0.289, g=3.173
2/2 [==============================] - 0s 7ms/step
>7, 353/468, d=0.366, g=5.940
2/2 [==============================] - 0s 6ms/step
>7, 354/468, d=0.496, g=2.088
2/2 [==============================] - 0s 6ms/step
>7, 355/468, d=0.351, g=2.518
2/2 [==============================] - 0s 5ms/step
>7, 356/468, d=0.399, g=4.268
2/2 [==============================] - 0s 9ms/step
>7, 357/468, d=0.527, g=6.062
2/2 [==============================] - 0s 5ms/step
>7, 358/468, d=0.524, g=3.075
2/2 [==============================] - 0s 17ms/step
>7, 359/468, d=0.364, g=3.914
2/2 [==============================] - 0s 5ms/step
>7, 360/468, d=0.294, g=4.228
2/2 [==============================] - 0s 5ms/step
>7, 361/468, d=0.421, g=6.905
2/2 [==============================] - 0s 5ms/step
>7, 362/468, d=0.366, g=2.947
2/2 [==============================] - 0s 5ms/step
>7, 363/468, d=0.396, g=5.262
2/2 [==============================] - 0s 8ms/step
>7, 364/468, d=0.405, g=2.466
2/2 [==============================] - 0s 8ms/step
```

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>7, 365/468, d=0.254, g=1.629
2/2 [==============================] - 0s 7ms/step
>7, 366/468, d=0.362, g=5.600
2/2 [==============================] - 0s 9ms/step
>7, 367/468, d=0.351, g=4.134
2/2 [==============================] - 0s 7ms/step
>7, 368/468, d=0.355, g=1.081
2/2 [==============================] - 0s 10ms/step
>7, 369/468, d=0.290, g=0.530
2/2 [==============================] - 0s 6ms/step
>7, 370/468, d=0.317, g=0.722
2/2 [==============================] - 0s 5ms/step
>7, 371/468, d=0.568, g=0.965
2/2 [==============================] - 0s 6ms/step
>7, 372/468, d=0.346, g=1.849
2/2 [==============================] - 0s 7ms/step
>7, 373/468, d=0.330, g=2.440
2/2 [==============================] - 0s 7ms/step
>7, 374/468, d=0.332, g=2.586
2/2 [==============================] - 0s 5ms/step
>7, 375/468, d=0.197, g=1.088
2/2 [==============================] - 0s 6ms/step
>7, 376/468, d=0.306, g=1.945
2/2 [==============================] - 0s 6ms/step
>7, 377/468, d=0.409, g=4.295
2/2 [==============================] - 0s 9ms/step
>7, 378/468, d=0.314, g=3.577
2/2 [==============================] - 0s 8ms/step
>7, 379/468, d=0.275, g=2.531
2/2 [==============================] - 0s 5ms/step
>7, 380/468, d=0.266, g=2.145
2/2 [==============================] - 0s 11ms/step
>7, 381/468, d=0.412, g=5.662
2/2 [==============================] - 0s 12ms/step
>7, 382/468, d=0.408, g=3.151
2/2 [==============================] - 0s 6ms/step
>7, 383/468, d=0.303, g=2.446
2/2 [==============================] - 0s 8ms/step
>7, 384/468, d=0.310, g=3.726
2/2 [==============================] - 0s 5ms/step
>7, 385/468, d=0.313, g=2.383
2/2 [==============================] - 0s 12ms/step
>7, 386/468, d=0.380, g=1.948
2/2 [==============================] - 0s 7ms/step
>7, 387/468, d=0.296, g=3.857
2/2 [==============================] - 0s 17ms/step
>7, 388/468, d=0.279, g=6.368
2/2 [==============================] - 0s 7ms/step
>7, 389/468, d=0.298, g=1.831
2/2 [==============================] - 0s 15ms/step
>7, 390/468, d=0.334, g=1.470
2/2 [==============================] - 0s 9ms/step
>7, 391/468, d=0.198, g=0.950
2/2 [==============================] - 0s 5ms/step
>7, 392/468, d=0.276, g=2.026
2/2 [==============================] - 0s 4ms/step
>7, 393/468, d=0.301, g=1.070
2/2 [==============================] - 0s 12ms/step
>7, 394/468, d=0.265, g=2.049
2/2 [==============================] - 0s 11ms/step
>7, 395/468, d=0.250, g=4.274
2/2 [==============================] - 0s 10ms/step
>7, 396/468, d=0.371, g=2.967
2/2 [==============================] - 0s 15ms/step
```

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>7, 397/468, d=0.254, g=5.392
2/2 [==============================] - 0s 19ms/step
>7, 398/468, d=0.319, g=3.226
2/2 [==============================] - 0s 6ms/step
>7, 399/468, d=0.258, g=2.526
2/2 [==============================] - 0s 6ms/step
>7, 400/468, d=0.129, g=2.011
2/2 [==============================] - 0s 6ms/step
>7, 401/468, d=0.267, g=1.268
2/2 [==============================] - 0s 9ms/step
>7, 402/468, d=0.424, g=4.232
2/2 [==============================] - 0s 6ms/step
>7, 403/468, d=0.398, g=7.484
2/2 [==============================] - 0s 11ms/step
>7, 404/468, d=0.515, g=1.708
2/2 [==============================] - 0s 11ms/step
>7, 405/468, d=0.326, g=1.770
2/2 [==============================] - 0s 13ms/step
>7, 406/468, d=0.547, g=5.651
2/2 [==============================] - 0s 5ms/step
>7, 407/468, d=0.460, g=3.103
2/2 [==============================] - 0s 5ms/step
>7, 408/468, d=0.273, g=2.319
2/2 [==============================] - 0s 9ms/step
>7, 409/468, d=0.292, g=3.789
2/2 [==============================] - 0s 5ms/step
>7, 410/468, d=0.454, g=2.148
2/2 [==============================] - 0s 12ms/step
>7, 411/468, d=0.279, g=1.157
2/2 [==============================] - 0s 4ms/step
>7, 412/468, d=0.401, g=4.036
2/2 [==============================] - 0s 6ms/step
>7, 413/468, d=0.359, g=2.078
2/2 [==============================] - 0s 12ms/step
>7, 414/468, d=0.306, g=1.771
2/2 [==============================] - 0s 5ms/step
>7, 415/468, d=0.368, g=3.408
2/2 [==============================] - 0s 6ms/step
>7, 416/468, d=0.236, g=2.241
2/2 [==============================] - 0s 9ms/step
>7, 417/468, d=0.346, g=1.094
2/2 [==============================] - 0s 8ms/step
>7, 418/468, d=0.353, g=5.513
2/2 [==============================] - 0s 5ms/step
>7, 419/468, d=0.348, g=2.036
2/2 [==============================] - 0s 5ms/step
>7, 420/468, d=0.314, g=4.624
2/2 [==============================] - 0s 11ms/step
>7, 421/468, d=0.295, g=6.808
2/2 [==============================] - 0s 13ms/step
>7, 422/468, d=0.362, g=4.043
2/2 [==============================] - 0s 8ms/step
>7, 423/468, d=0.303, g=5.085
2/2 [==============================] - 0s 7ms/step
>7, 424/468, d=0.300, g=2.099
2/2 [==============================] - 0s 5ms/step
>7, 425/468, d=0.314, g=1.788
2/2 [==============================] - 0s 7ms/step
>7, 426/468, d=0.344, g=2.158
2/2 [==============================] - 0s 6ms/step
>7, 427/468, d=0.296, g=1.873
2/2 [==============================] - 0s 4ms/step
>7, 428/468, d=0.245, g=2.936
2/2 [==============================] - 0s 7ms/step
```

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>7, 429/468, d=0.340, g=2.906
2/2 [==============================] - 0s 13ms/step
>7, 430/468, d=0.352, g=0.909
2/2 [==============================] - 0s 6ms/step
>7, 431/468, d=0.405, g=3.175
2/2 [==============================] - 0s 9ms/step
>7, 432/468, d=0.337, g=1.955
2/2 [==============================] - 0s 12ms/step
>7, 433/468, d=0.375, g=7.671
2/2 [==============================] - 0s 5ms/step
>7, 434/468, d=0.398, g=2.940
2/2 [==============================] - 0s 7ms/step
>7, 435/468, d=0.210, g=2.468
2/2 [==============================] - 0s 5ms/step
>7, 436/468, d=0.384, g=3.632
2/2 [==============================] - 0s 15ms/step
>7, 437/468, d=0.274, g=1.259
2/2 [==============================] - 0s 8ms/step
>7, 438/468, d=0.408, g=3.309
2/2 [==============================] - 0s 9ms/step
>7, 439/468, d=0.415, g=6.708
2/2 [==============================] - 0s 5ms/step
>7, 440/468, d=0.379, g=3.714
2/2 [==============================] - 0s 5ms/step
>7, 441/468, d=0.339, g=1.461
2/2 [==============================] - 0s 5ms/step
>7, 442/468, d=0.254, g=2.061
2/2 [==============================] - 0s 5ms/step
>7, 443/468, d=0.373, g=1.569
2/2 [==============================] - 0s 5ms/step
>7, 444/468, d=0.398, g=6.593
2/2 [==============================] - 0s 5ms/step
>7, 445/468, d=0.293, g=6.226
2/2 [==============================] - 0s 6ms/step
>7, 446/468, d=0.342, g=1.058
2/2 [==============================] - 0s 5ms/step
>7, 447/468, d=0.320, g=0.525
2/2 [==============================] - 0s 6ms/step
>7, 448/468, d=0.329, g=1.460
2/2 [==============================] - 0s 16ms/step
>7, 449/468, d=0.379, g=5.050
2/2 [==============================] - 0s 7ms/step
>7, 450/468, d=0.263, g=5.321
2/2 [==============================] - 0s 7ms/step
>7, 451/468, d=0.330, g=5.121
2/2 [==============================] - 0s 12ms/step
>7, 452/468, d=0.306, g=2.804
2/2 [==============================] - 0s 6ms/step
>7, 453/468, d=0.208, g=3.046
2/2 [==============================] - 0s 6ms/step
>7, 454/468, d=0.402, g=0.948
2/2 [==============================] - 0s 14ms/step
>7, 455/468, d=0.381, g=1.949
2/2 [==============================] - 0s 6ms/step
>7, 456/468, d=0.450, g=3.141
2/2 [==============================] - 0s 8ms/step
>7, 457/468, d=0.525, g=5.485
2/2 [==============================] - 0s 4ms/step
>7, 458/468, d=0.244, g=6.000
2/2 [==============================] - 0s 6ms/step
>7, 459/468, d=0.191, g=5.082
2/2 [==============================] - 0s 4ms/step
>7, 460/468, d=0.277, g=2.219
2/2 [==============================] - 0s 13ms/step
```

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>7, 461/468, d=0.228, g=0.076
2/2 [==============================] - 0s 5ms/step
>7, 462/468, d=0.193, g=0.422
2/2 [==============================] - 0s 3ms/step
>7, 463/468, d=0.209, g=0.710
2/2 [==============================] - 0s 13ms/step
>7, 464/468, d=0.263, g=3.100
2/2 [==============================] - 0s 7ms/step
>7, 465/468, d=0.370, g=7.349
2/2 [==============================] - 0s 5ms/step
>7, 466/468, d=0.360, g=5.415
2/2 [==============================] - 0s 6ms/step
>7, 467/468, d=0.447, g=2.773
2/2 [==============================] - 0s 8ms/step
>7, 468/468, d=0.311, g=3.371
2/2 [==============================] - 0s 5ms/step
>8, 1/468, d=0.248, g=4.944
2/2 [==============================] - 0s 13ms/step
>8, 2/468, d=0.338, g=7.156
2/2 [==============================] - 0s 7ms/step
>8, 3/468, d=0.258, g=5.509
2/2 [==============================] - 0s 5ms/step
>8, 4/468, d=0.203, g=3.150
2/2 [==============================] - 0s 5ms/step
>8, 5/468, d=0.201, g=3.032
2/2 [==============================] - 0s 9ms/step
>8, 6/468, d=0.363, g=5.865
2/2 [==============================] - 0s 6ms/step
>8, 7/468, d=0.248, g=7.280
2/2 [==============================] - 0s 7ms/step
>8, 8/468, d=0.454, g=1.962
2/2 [==============================] - 0s 9ms/step
>8, 9/468, d=0.371, g=3.210
2/2 [==============================] - 0s 5ms/step
>8, 10/468, d=0.237, g=2.224
2/2 [==============================] - 0s 7ms/step
>8, 11/468, d=0.353, g=2.088
2/2 [==============================] - 0s 13ms/step
>8, 12/468, d=0.254, g=2.855
2/2 [==============================] - 0s 5ms/step
>8, 13/468, d=0.279, g=2.270
2/2 [==============================] - 0s 7ms/step
>8, 14/468, d=0.256, g=1.087
2/2 [==============================] - 0s 5ms/step
>8, 15/468, d=0.255, g=3.693
2/2 [==============================] - 0s 10ms/step
>8, 16/468, d=0.396, g=3.962
2/2 [==============================] - 0s 4ms/step
>8, 17/468, d=0.238, g=2.216
2/2 [==============================] - 0s 6ms/step
>8, 18/468, d=0.264, g=2.659
2/2 [==============================] - 0s 15ms/step
>8, 19/468, d=0.322, g=4.575
2/2 [==============================] - 0s 4ms/step
>8, 20/468, d=0.301, g=4.343
2/2 [==============================] - 0s 6ms/step
>8, 21/468, d=0.189, g=3.297
2/2 [==============================] - 0s 14ms/step
>8, 22/468, d=0.341, g=0.551
2/2 [==============================] - 0s 14ms/step
>8, 23/468, d=0.316, g=2.376
2/2 [==============================] - 0s 12ms/step
>8, 24/468, d=0.467, g=0.330
2/2 [==============================] - 0s 10ms/step
```

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>8, 25/468, d=0.347, g=3.249
2/2 [==============================] - 0s 6ms/step
>8, 26/468, d=0.265, g=5.601
2/2 [==============================] - 0s 11ms/step
>8, 27/468, d=0.288, g=4.524
2/2 [==============================] - 0s 5ms/step
>8, 28/468, d=0.184, g=2.240
2/2 [==============================] - 0s 5ms/step
>8, 29/468, d=0.204, g=3.078
2/2 [==============================] - 0s 5ms/step
>8, 30/468, d=0.264, g=3.213
2/2 [==============================] - 0s 6ms/step
>8, 31/468, d=0.263, g=3.394
2/2 [==============================] - 0s 11ms/step
>8, 32/468, d=0.359, g=4.573
2/2 [==============================] - 0s 10ms/step
>8, 33/468, d=0.360, g=0.584
2/2 [==============================] - 0s 8ms/step
>8, 34/468, d=0.268, g=1.355
2/2 [==============================] - 0s 14ms/step
>8, 35/468, d=0.414, g=2.495
2/2 [==============================] - 0s 6ms/step
>8, 36/468, d=0.329, g=2.315
2/2 [==============================] - 0s 6ms/step
>8, 37/468, d=0.358, g=3.254
2/2 [==============================] - 0s 4ms/step
>8, 38/468, d=0.315, g=2.714
2/2 [==============================] - 0s 5ms/step
>8, 39/468, d=0.213, g=2.796
2/2 [==============================] - 0s 6ms/step
>8, 40/468, d=0.335, g=5.195
2/2 [==============================] - 0s 9ms/step
>8, 41/468, d=0.357, g=7.268
2/2 [==============================] - 0s 6ms/step
>8, 42/468, d=0.250, g=3.600
2/2 [==============================] - 0s 4ms/step
>8, 43/468, d=0.361, g=4.461
2/2 [==============================] - 0s 12ms/step
>8, 44/468, d=0.223, g=7.440
2/2 [==============================] - 0s 6ms/step
>8, 45/468, d=0.524, g=0.759
2/2 [==============================] - 0s 10ms/step
>8, 46/468, d=0.478, g=2.290
2/2 [==============================] - 0s 10ms/step
>8, 47/468, d=0.428, g=2.226
2/2 [==============================] - 0s 5ms/step
>8, 48/468, d=0.403, g=0.803
2/2 [==============================] - 0s 6ms/step
>8, 49/468, d=0.410, g=0.351
2/2 [==============================] - 0s 5ms/step
>8, 50/468, d=0.400, g=1.339
2/2 [==============================] - 0s 7ms/step
>8, 51/468, d=0.375, g=4.084
2/2 [==============================] - 0s 5ms/step
>8, 52/468, d=0.379, g=3.533
2/2 [==============================] - 0s 5ms/step
>8, 53/468, d=0.463, g=7.226
2/2 [==============================] - 0s 4ms/step
>8, 54/468, d=0.383, g=6.029
2/2 [==============================] - 0s 5ms/step
>8, 55/468, d=0.267, g=4.003
2/2 [==============================] - 0s 6ms/step
>8, 56/468, d=0.408, g=0.634
2/2 [==============================] - 0s 5ms/step
```

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>8, 57/468, d=0.183, g=0.781
2/2 [==============================] - 0s 4ms/step
>8, 58/468, d=0.277, g=1.141
2/2 [==============================] - 0s 5ms/step
>8, 59/468, d=0.487, g=2.007
2/2 [==============================] - 0s 5ms/step
>8, 60/468, d=0.403, g=2.878
2/2 [==============================] - 0s 6ms/step
>8, 61/468, d=0.421, g=8.787
2/2 [==============================] - 0s 7ms/step
>8, 62/468, d=0.399, g=8.041
2/2 [==============================] - 0s 5ms/step
>8, 63/468, d=0.305, g=4.682
2/2 [==============================] - 0s 4ms/step
>8, 64/468, d=0.240, g=3.718
2/2 [==============================] - 0s 4ms/step
>8, 65/468, d=0.216, g=5.609
2/2 [==============================] - 0s 6ms/step
>8, 66/468, d=0.256, g=5.043
2/2 [==============================] - 0s 6ms/step
>8, 67/468, d=0.256, g=3.866
2/2 [==============================] - 0s 6ms/step
>8, 68/468, d=0.325, g=2.835
2/2 [==============================] - 0s 11ms/step
>8, 69/468, d=0.209, g=2.097
2/2 [==============================] - 0s 7ms/step
>8, 70/468, d=0.313, g=5.209
2/2 [==============================] - 0s 11ms/step
>8, 71/468, d=0.283, g=3.931
2/2 [==============================] - 0s 5ms/step
>8, 72/468, d=0.246, g=2.374
2/2 [==============================] - 0s 7ms/step
>8, 73/468, d=0.302, g=2.456
2/2 [==============================] - 0s 9ms/step
>8, 74/468, d=0.274, g=1.295
2/2 [==============================] - 0s 4ms/step
>8, 75/468, d=0.197, g=0.585
2/2 [==============================] - 0s 4ms/step
>8, 76/468, d=0.240, g=2.235
2/2 [==============================] - 0s 10ms/step
>8, 77/468, d=0.331, g=3.764
2/2 [==============================] - 0s 14ms/step
>8, 78/468, d=0.430, g=4.994
2/2 [==============================] - 0s 7ms/step
>8, 79/468, d=0.219, g=5.847
2/2 [==============================] - 0s 8ms/step
>8, 80/468, d=0.324, g=4.003
2/2 [==============================] - 0s 5ms/step
>8, 81/468, d=0.264, g=2.310
2/2 [==============================] - 0s 5ms/step
>8, 82/468, d=0.367, g=3.208
2/2 [==============================] - 0s 7ms/step
>8, 83/468, d=0.431, g=5.183
2/2 [==============================] - 0s 12ms/step
>8, 84/468, d=0.255, g=0.914
2/2 [==============================] - 0s 6ms/step
>8, 85/468, d=0.200, g=1.482
2/2 [==============================] - 0s 10ms/step
>8, 86/468, d=0.360, g=3.019
2/2 [==============================] - 0s 18ms/step
>8, 87/468, d=0.396, g=5.520
2/2 [==============================] - 0s 19ms/step
>8, 88/468, d=0.348, g=4.845
2/2 [==============================] - 0s 9ms/step
```

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>8, 89/468, d=0.346, g=5.756
2/2 [==============================] - 0s 5ms/step
>8, 90/468, d=0.278, g=3.691
2/2 [==============================] - 0s 6ms/step
>8, 91/468, d=0.318, g=1.722
2/2 [==============================] - 0s 6ms/step
>8, 92/468, d=0.324, g=3.262
2/2 [==============================] - 0s 8ms/step
>8, 93/468, d=0.456, g=3.624
2/2 [==============================] - 0s 5ms/step
>8, 94/468, d=0.251, g=2.807
2/2 [==============================] - 0s 9ms/step
>8, 95/468, d=0.246, g=4.993
2/2 [==============================] - 0s 14ms/step
>8, 96/468, d=0.355, g=5.663
2/2 [==============================] - 0s 7ms/step
>8, 97/468, d=0.285, g=4.611
2/2 [==============================] - 0s 5ms/step
>8, 98/468, d=0.282, g=2.472
2/2 [==============================] - 0s 6ms/step
>8, 99/468, d=0.273, g=2.429
2/2 [==============================] - 0s 5ms/step
>8, 100/468, d=0.317, g=3.520
2/2 [==============================] - 0s 11ms/step
>8, 101/468, d=0.349, g=4.954
2/2 [==============================] - 0s 7ms/step
>8, 102/468, d=0.363, g=1.464
2/2 [==============================] - 0s 7ms/step
>8, 103/468, d=0.577, g=4.371
2/2 [==============================] - 0s 7ms/step
>8, 104/468, d=0.436, g=2.561
2/2 [==============================] - 0s 4ms/step
>8, 105/468, d=0.359, g=3.886
2/2 [==============================] - 0s 8ms/step
>8, 106/468, d=0.310, g=0.751
2/2 [==============================] - 0s 6ms/step
>8, 107/468, d=0.299, g=0.393
2/2 [==============================] - 0s 6ms/step
>8, 108/468, d=0.262, g=0.405
2/2 [==============================] - 0s 7ms/step
>8, 109/468, d=0.204, g=0.853
2/2 [==============================] - 0s 7ms/step
>8, 110/468, d=0.325, g=3.368
2/2 [==============================] - 0s 6ms/step
>8, 111/468, d=0.249, g=3.633
2/2 [==============================] - 0s 8ms/step
>8, 112/468, d=0.247, g=1.194
2/2 [==============================] - 0s 6ms/step
>8, 113/468, d=0.273, g=2.123
2/2 [==============================] - 0s 6ms/step
>8, 114/468, d=0.430, g=3.518
2/2 [==============================] - 0s 8ms/step
>8, 115/468, d=0.260, g=4.665
2/2 [==============================] - 0s 7ms/step
>8, 116/468, d=0.275, g=3.932
2/2 [==============================] - 0s 5ms/step
>8, 117/468, d=0.320, g=5.950
2/2 [==============================] - 0s 14ms/step
>8, 118/468, d=0.405, g=6.299
2/2 [==============================] - 0s 7ms/step
>8, 119/468, d=0.303, g=3.464
2/2 [==============================] - 0s 16ms/step
>8, 120/468, d=0.311, g=1.902
2/2 [==============================] - 0s 6ms/step
```

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>8, 121/468, d=0.234, g=0.760
2/2 [==============================] - 0s 9ms/step
>8, 122/468, d=0.237, g=0.360
2/2 [==============================] - 0s 8ms/step
>8, 123/468, d=0.200, g=0.522
2/2 [==============================] - 0s 9ms/step
>8, 124/468, d=0.232, g=1.476
2/2 [==============================] - 0s 11ms/step
>8, 125/468, d=0.268, g=2.757
2/2 [==============================] - 0s 13ms/step
>8, 126/468, d=0.341, g=2.389
2/2 [==============================] - 0s 7ms/step
>8, 127/468, d=0.390, g=5.145
2/2 [==============================] - 0s 10ms/step
>8, 128/468, d=0.280, g=4.266
2/2 [==============================] - 0s 4ms/step
>8, 129/468, d=0.330, g=5.807
2/2 [==============================] - 0s 7ms/step
>8, 130/468, d=0.277, g=6.116
2/2 [==============================] - 0s 11ms/step
>8, 131/468, d=0.236, g=3.969
2/2 [==============================] - 0s 8ms/step
>8, 132/468, d=0.297, g=1.600
2/2 [==============================] - 0s 6ms/step
>8, 133/468, d=0.341, g=3.954
2/2 [==============================] - 0s 6ms/step
>8, 134/468, d=0.370, g=0.841
2/2 [==============================] - 0s 5ms/step
>8, 135/468, d=0.433, g=4.328
2/2 [==============================] - 0s 5ms/step
>8, 136/468, d=0.322, g=7.370
2/2 [==============================] - 0s 11ms/step
>8, 137/468, d=0.313, g=5.241
2/2 [==============================] - 0s 5ms/step
>8, 138/468, d=0.291, g=2.950
2/2 [==============================] - 0s 10ms/step
>8, 139/468, d=0.289, g=1.886
2/2 [==============================] - 0s 10ms/step
>8, 140/468, d=0.378, g=1.557
2/2 [==============================] - 0s 6ms/step
>8, 141/468, d=0.399, g=4.094
2/2 [==============================] - 0s 4ms/step
>8, 142/468, d=0.231, g=3.085
2/2 [==============================] - 0s 5ms/step
>8, 143/468, d=0.274, g=2.266
2/2 [==============================] - 0s 12ms/step
>8, 144/468, d=0.495, g=5.979
2/2 [==============================] - 0s 11ms/step
>8, 145/468, d=0.355, g=1.494
2/2 [==============================] - 0s 5ms/step
>8, 146/468, d=0.256, g=1.994
2/2 [==============================] - 0s 5ms/step
>8, 147/468, d=0.284, g=4.419
2/2 [==============================] - 0s 10ms/step
>8, 148/468, d=0.351, g=2.166
2/2 [==============================] - 0s 10ms/step
>8, 149/468, d=0.534, g=1.757
2/2 [==============================] - 0s 11ms/step
>8, 150/468, d=0.421, g=3.436
2/2 [==============================] - 0s 9ms/step
>8, 151/468, d=0.296, g=3.703
2/2 [==============================] - 0s 6ms/step
>8, 152/468, d=0.239, g=4.465
2/2 [==============================] - 0s 12ms/step
```

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>8, 153/468, d=0.232, g=4.053
2/2 [==============================] - 0s 7ms/step
>8, 154/468, d=0.382, g=0.467
2/2 [==============================] - 0s 6ms/step
>8, 155/468, d=0.217, g=0.744
2/2 [==============================] - 0s 4ms/step
>8, 156/468, d=0.168, g=0.897
2/2 [==============================] - 0s 12ms/step
>8, 157/468, d=0.249, g=1.125
2/2 [==============================] - 0s 6ms/step
>8, 158/468, d=0.284, g=4.077
2/2 [==============================] - 0s 7ms/step
>8, 159/468, d=0.243, g=3.461
2/2 [==============================] - 0s 6ms/step
>8, 160/468, d=0.324, g=0.109
2/2 [==============================] - 0s 9ms/step
>8, 161/468, d=0.155, g=0.130
2/2 [==============================] - 0s 7ms/step
>8, 162/468, d=0.159, g=0.357
2/2 [==============================] - 0s 7ms/step
>8, 163/468, d=0.118, g=0.794
2/2 [==============================] - 0s 5ms/step
>8, 164/468, d=0.295, g=0.726
2/2 [==============================] - 0s 6ms/step
>8, 165/468, d=0.377, g=2.053
2/2 [==============================] - 0s 5ms/step
>8, 166/468, d=0.280, g=4.127
2/2 [==============================] - 0s 9ms/step
>8, 167/468, d=0.233, g=4.981
2/2 [==============================] - 0s 7ms/step
>8, 168/468, d=0.354, g=8.178
2/2 [==============================] - 0s 6ms/step
>8, 169/468, d=0.278, g=2.909
2/2 [==============================] - 0s 4ms/step
>8, 170/468, d=0.272, g=1.804
2/2 [==============================] - 0s 7ms/step
>8, 171/468, d=0.299, g=2.177
2/2 [==============================] - 0s 5ms/step
>8, 172/468, d=0.352, g=4.980
2/2 [==============================] - 0s 4ms/step
>8, 173/468, d=0.285, g=10.920
2/2 [==============================] - 0s 8ms/step
>8, 174/468, d=0.231, g=9.843
2/2 [==============================] - 0s 9ms/step
>8, 175/468, d=0.358, g=11.459
2/2 [==============================] - 0s 12ms/step
>8, 176/468, d=0.383, g=4.452
2/2 [==============================] - 0s 12ms/step
>8, 177/468, d=0.414, g=3.734
2/2 [==============================] - 0s 6ms/step
>8, 178/468, d=0.296, g=7.713
2/2 [==============================] - 0s 8ms/step
>8, 179/468, d=0.336, g=4.967
2/2 [==============================] - 0s 6ms/step
>8, 180/468, d=0.337, g=2.903
2/2 [==============================] - 0s 6ms/step
>8, 181/468, d=0.296, g=1.899
2/2 [==============================] - 0s 6ms/step
>8, 182/468, d=0.228, g=4.952
2/2 [==============================] - 0s 6ms/step
>8, 183/468, d=0.236, g=3.855
2/2 [==============================] - 0s 10ms/step
>8, 184/468, d=0.369, g=2.578
2/2 [==============================] - 0s 6ms/step
```

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>8, 185/468, d=0.447, g=3.538
2/2 [==============================] - 0s 5ms/step
>8, 186/468, d=0.380, g=3.622
2/2 [==============================] - 0s 5ms/step
>8, 187/468, d=0.442, g=0.081
2/2 [==============================] - 0s 12ms/step
>8, 188/468, d=0.185, g=0.274
2/2 [==============================] - 0s 9ms/step
>8, 189/468, d=0.280, g=1.408
2/2 [==============================] - 0s 8ms/step
>8, 190/468, d=0.290, g=2.828
2/2 [==============================] - 0s 12ms/step
>8, 191/468, d=0.321, g=4.183
2/2 [==============================] - 0s 6ms/step
>8, 192/468, d=0.321, g=8.277
2/2 [==============================] - 0s 7ms/step
>8, 193/468, d=0.293, g=5.774
2/2 [==============================] - 0s 8ms/step
>8, 194/468, d=0.387, g=4.409
2/2 [==============================] - 0s 6ms/step
>8, 195/468, d=0.278, g=5.136
2/2 [==============================] - 0s 6ms/step
>8, 196/468, d=0.228, g=5.887
2/2 [==============================] - 0s 6ms/step
>8, 197/468, d=0.344, g=5.475
2/2 [==============================] - 0s 11ms/step
>8, 198/468, d=0.258, g=2.871
2/2 [==============================] - 0s 7ms/step
>8, 199/468, d=0.243, g=1.740
2/2 [==============================] - 0s 11ms/step
>8, 200/468, d=0.312, g=3.128
2/2 [==============================] - 0s 9ms/step
>8, 201/468, d=0.292, g=2.853
2/2 [==============================] - 0s 8ms/step
>8, 202/468, d=0.340, g=3.059
2/2 [==============================] - 0s 5ms/step
>8, 203/468, d=0.196, g=3.679
2/2 [==============================] - 0s 6ms/step
>8, 204/468, d=0.227, g=4.005
2/2 [==============================] - 0s 7ms/step
>8, 205/468, d=0.217, g=2.192
2/2 [==============================] - 0s 6ms/step
>8, 206/468, d=0.237, g=1.163
2/2 [==============================] - 0s 8ms/step
>8, 207/468, d=0.340, g=1.905
2/2 [==============================] - 0s 15ms/step
>8, 208/468, d=0.232, g=3.493
2/2 [==============================] - 0s 8ms/step
>8, 209/468, d=0.395, g=3.790
2/2 [==============================] - 0s 5ms/step
>8, 210/468, d=0.391, g=1.071
2/2 [==============================] - 0s 9ms/step
>8, 211/468, d=0.308, g=3.304
2/2 [==============================] - 0s 7ms/step
>8, 212/468, d=0.270, g=2.307
2/2 [==============================] - 0s 9ms/step
>8, 213/468, d=0.269, g=3.196
2/2 [==============================] - 0s 6ms/step
>8, 214/468, d=0.221, g=3.675
2/2 [==============================] - 0s 5ms/step
>8, 215/468, d=0.275, g=4.441
2/2 [==============================] - 0s 10ms/step
>8, 216/468, d=0.295, g=5.779
2/2 [==============================] - 0s 10ms/step
```

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>8, 217/468, d=0.375, g=4.954
2/2 [==============================] - 0s 8ms/step
>8, 218/468, d=0.195, g=5.063
2/2 [==============================] - 0s 5ms/step
>8, 219/468, d=0.237, g=5.146
2/2 [==============================] - 0s 7ms/step
>8, 220/468, d=0.245, g=3.970
2/2 [==============================] - 0s 7ms/step
>8, 221/468, d=0.231, g=3.278
2/2 [==============================] - 0s 8ms/step
>8, 222/468, d=0.356, g=4.623
2/2 [==============================] - 0s 5ms/step
>8, 223/468, d=0.289, g=4.915
2/2 [==============================] - 0s 10ms/step
>8, 224/468, d=0.282, g=3.258
2/2 [==============================] - 0s 10ms/step
>8, 225/468, d=0.221, g=2.831
2/2 [==============================] - 0s 10ms/step
>8, 226/468, d=0.299, g=4.029
2/2 [==============================] - 0s 10ms/step
>8, 227/468, d=0.232, g=4.340
2/2 [==============================] - 0s 16ms/step
>8, 228/468, d=0.218, g=2.567
2/2 [==============================] - 0s 6ms/step
>8, 229/468, d=0.309, g=2.802
2/2 [==============================] - 0s 7ms/step
>8, 230/468, d=0.433, g=5.703
2/2 [==============================] - 0s 5ms/step
>8, 231/468, d=0.708, g=0.883
2/2 [==============================] - 0s 6ms/step
>8, 232/468, d=0.294, g=0.835
2/2 [==============================] - 0s 5ms/step
>8, 233/468, d=0.183, g=2.143
2/2 [==============================] - 0s 5ms/step
>8, 234/468, d=0.267, g=1.000
2/2 [==============================] - 0s 13ms/step
>8, 235/468, d=0.416, g=3.257
2/2 [==============================] - 0s 11ms/step
>8, 236/468, d=0.422, g=1.108
2/2 [==============================] - 0s 13ms/step
>8, 237/468, d=0.332, g=2.553
2/2 [==============================] - 0s 13ms/step
>8, 238/468, d=0.264, g=2.083
2/2 [==============================] - 0s 6ms/step
>8, 239/468, d=0.314, g=0.512
2/2 [==============================] - 0s 7ms/step
>8, 240/468, d=0.306, g=1.429
2/2 [==============================] - 0s 7ms/step
>8, 241/468, d=0.320, g=4.226
2/2 [==============================] - 0s 5ms/step
>8, 242/468, d=0.380, g=5.033
2/2 [==============================] - 0s 13ms/step
>8, 243/468, d=0.440, g=10.258
2/2 [==============================] - 0s 7ms/step
>8, 244/468, d=0.724, g=4.349
2/2 [==============================] - 0s 4ms/step
>8, 245/468, d=0.440, g=4.713
2/2 [==============================] - 0s 6ms/step
>8, 246/468, d=0.267, g=5.998
2/2 [==============================] - 0s 10ms/step
>8, 247/468, d=0.252, g=4.712
2/2 [==============================] - 0s 7ms/step
>8, 248/468, d=0.245, g=2.307
2/2 [==============================] - 0s 11ms/step
```

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>8, 249/468, d=0.410, g=3.682
2/2 [==============================] - 0s 4ms/step
>8, 250/468, d=0.338, g=6.241
2/2 [==============================] - 0s 6ms/step
>8, 251/468, d=0.202, g=5.346
2/2 [==============================] - 0s 12ms/step
>8, 252/468, d=0.300, g=1.874
2/2 [==============================] - 0s 7ms/step
>8, 253/468, d=0.222, g=0.749
2/2 [==============================] - 0s 5ms/step
>8, 254/468, d=0.195, g=0.705
2/2 [==============================] - 0s 6ms/step
>8, 255/468, d=0.250, g=2.123
2/2 [==============================] - 0s 6ms/step
>8, 256/468, d=0.425, g=3.157
2/2 [==============================] - 0s 7ms/step
>8, 257/468, d=0.324, g=2.238
2/2 [==============================] - 0s 9ms/step
>8, 258/468, d=0.287, g=1.812
2/2 [==============================] - 0s 7ms/step
>8, 259/468, d=0.291, g=2.236
2/2 [==============================] - 0s 5ms/step
>8, 260/468, d=0.312, g=2.888
2/2 [==============================] - 0s 6ms/step
>8, 261/468, d=0.373, g=4.933
2/2 [==============================] - 0s 4ms/step
>8, 262/468, d=0.273, g=8.517
2/2 [==============================] - 0s 5ms/step
>8, 263/468, d=0.463, g=0.762
2/2 [==============================] - 0s 4ms/step
>8, 264/468, d=0.322, g=1.543
2/2 [==============================] - 0s 10ms/step
>8, 265/468, d=0.296, g=1.466
2/2 [==============================] - 0s 6ms/step
>8, 266/468, d=0.297, g=5.365
2/2 [==============================] - 0s 7ms/step
>8, 267/468, d=0.231, g=7.514
2/2 [==============================] - 0s 7ms/step
>8, 268/468, d=0.545, g=2.071
2/2 [==============================] - 0s 7ms/step
>8, 269/468, d=0.286, g=2.077
2/2 [==============================] - 0s 7ms/step
>8, 270/468, d=0.274, g=2.368
2/2 [==============================] - 0s 9ms/step
>8, 271/468, d=0.408, g=3.127
2/2 [==============================] - 0s 14ms/step
>8, 272/468, d=0.404, g=6.104
2/2 [==============================] - 0s 7ms/step
>8, 273/468, d=0.461, g=6.167
2/2 [==============================] - 0s 7ms/step
>8, 274/468, d=0.318, g=4.674
2/2 [==============================] - 0s 14ms/step
>8, 275/468, d=0.464, g=0.636
2/2 [==============================] - 0s 7ms/step
>8, 276/468, d=0.123, g=0.663
2/2 [==============================] - 0s 7ms/step
>8, 277/468, d=0.281, g=1.806
2/2 [==============================] - 0s 5ms/step
>8, 278/468, d=0.270, g=3.234
2/2 [==============================] - 0s 7ms/step
>8, 279/468, d=0.249, g=3.274
2/2 [==============================] - 0s 4ms/step
>8, 280/468, d=0.296, g=1.990
2/2 [==============================] - 0s 18ms/step
```

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>8, 281/468, d=0.301, g=2.012
2/2 [==============================] - 0s 5ms/step
>8, 282/468, d=0.297, g=2.886
2/2 [==============================] - 0s 11ms/step
>8, 283/468, d=0.276, g=2.179
2/2 [==============================] - 0s 12ms/step
>8, 284/468, d=0.226, g=2.169
2/2 [==============================] - 0s 15ms/step
>8, 285/468, d=0.437, g=1.842
2/2 [==============================] - 0s 15ms/step
>8, 286/468, d=0.274, g=3.083
2/2 [==============================] - 0s 9ms/step
>8, 287/468, d=0.356, g=6.278
2/2 [==============================] - 0s 7ms/step
>8, 288/468, d=0.279, g=4.795
2/2 [==============================] - 0s 9ms/step
>8, 289/468, d=0.314, g=3.262
2/2 [==============================] - 0s 7ms/step
>8, 290/468, d=0.189, g=3.919
2/2 [==============================] - 0s 5ms/step
>8, 291/468, d=0.431, g=4.910
2/2 [==============================] - 0s 4ms/step
>8, 292/468, d=0.262, g=6.002
2/2 [==============================] - 0s 9ms/step
>8, 293/468, d=0.272, g=4.147
2/2 [==============================] - 0s 11ms/step
>8, 294/468, d=0.287, g=1.515
2/2 [==============================] - 0s 9ms/step
>8, 295/468, d=0.339, g=2.656
2/2 [==============================] - 0s 5ms/step
>8, 296/468, d=0.362, g=3.439
2/2 [==============================] - 0s 7ms/step
>8, 297/468, d=0.184, g=1.715
2/2 [==============================] - 0s 5ms/step
>8, 298/468, d=0.270, g=1.308
2/2 [==============================] - 0s 6ms/step
>8, 299/468, d=0.224, g=2.929
2/2 [==============================] - 0s 8ms/step
>8, 300/468, d=0.293, g=2.536
2/2 [==============================] - 0s 8ms/step
>8, 301/468, d=0.292, g=5.085
2/2 [==============================] - 0s 7ms/step
>8, 302/468, d=0.241, g=5.439
2/2 [==============================] - 0s 13ms/step
>8, 303/468, d=0.356, g=2.357
2/2 [==============================] - 0s 6ms/step
>8, 304/468, d=0.436, g=4.127
2/2 [==============================] - 0s 6ms/step
>8, 305/468, d=0.462, g=3.417
2/2 [==============================] - 0s 10ms/step
>8, 306/468, d=0.332, g=6.244
2/2 [==============================] - 0s 6ms/step
>8, 307/468, d=0.286, g=8.164
2/2 [==============================] - 0s 6ms/step
>8, 308/468, d=0.251, g=5.407
2/2 [==============================] - 0s 5ms/step
>8, 309/468, d=0.249, g=1.949
2/2 [==============================] - 0s 7ms/step
>8, 310/468, d=0.269, g=2.000
2/2 [==============================] - 0s 6ms/step
>8, 311/468, d=0.331, g=1.052
2/2 [==============================] - 0s 4ms/step
>8, 312/468, d=0.292, g=2.403
2/2 [==============================] - 0s 7ms/step
```

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>8, 313/468, d=0.253, g=3.336
2/2 [==============================] - 0s 8ms/step
>8, 314/468, d=0.334, g=0.837
2/2 [==============================] - 0s 7ms/step
>8, 315/468, d=0.268, g=1.721
2/2 [==============================] - 0s 6ms/step
>8, 316/468, d=0.269, g=5.326
2/2 [==============================] - 0s 6ms/step
>8, 317/468, d=0.257, g=4.748
2/2 [==============================] - 0s 7ms/step
>8, 318/468, d=0.172, g=4.138
2/2 [==============================] - 0s 4ms/step
>8, 319/468, d=0.272, g=2.913
2/2 [==============================] - 0s 9ms/step
>8, 320/468, d=0.264, g=1.992
2/2 [==============================] - 0s 8ms/step
>8, 321/468, d=0.283, g=1.289
2/2 [==============================] - 0s 8ms/step
>8, 322/468, d=0.308, g=3.748
2/2 [==============================] - 0s 4ms/step
>8, 323/468, d=0.313, g=2.700
2/2 [==============================] - 0s 13ms/step
>8, 324/468, d=0.244, g=2.265
2/2 [==============================] - 0s 7ms/step
>8, 325/468, d=0.293, g=1.643
2/2 [==============================] - 0s 6ms/step
>8, 326/468, d=0.372, g=0.738
2/2 [==============================] - 0s 8ms/step
>8, 327/468, d=0.368, g=1.186
2/2 [==============================] - 0s 10ms/step
>8, 328/468, d=0.324, g=2.216
2/2 [==============================] - 0s 9ms/step
>8, 329/468, d=0.191, g=2.710
2/2 [==============================] - 0s 12ms/step
>8, 330/468, d=0.240, g=0.898
2/2 [==============================] - 0s 7ms/step
>8, 331/468, d=0.231, g=0.458
2/2 [==============================] - 0s 7ms/step
>8, 332/468, d=0.264, g=1.484
2/2 [==============================] - 0s 11ms/step
>8, 333/468, d=0.330, g=5.634
2/2 [==============================] - 0s 11ms/step
>8, 334/468, d=0.347, g=3.488
2/2 [==============================] - 0s 6ms/step
>8, 335/468, d=0.259, g=4.438
2/2 [==============================] - 0s 7ms/step
>8, 336/468, d=0.304, g=2.070
2/2 [==============================] - 0s 7ms/step
>8, 337/468, d=0.295, g=2.198
2/2 [==============================] - 0s 6ms/step
>8, 338/468, d=0.310, g=7.297
2/2 [==============================] - 0s 11ms/step
>8, 339/468, d=0.363, g=6.802
2/2 [==============================] - 0s 6ms/step
>8, 340/468, d=0.248, g=5.282
2/2 [==============================] - 0s 7ms/step
>8, 341/468, d=0.167, g=3.516
2/2 [==============================] - 0s 7ms/step
>8, 342/468, d=0.196, g=2.292
2/2 [==============================] - 0s 8ms/step
>8, 343/468, d=0.357, g=7.545
2/2 [==============================] - 0s 5ms/step
>8, 344/468, d=0.410, g=2.471
2/2 [==============================] - 0s 5ms/step
```

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>8, 345/468, d=0.351, g=3.885
2/2 [==============================] - 0s 11ms/step
>8, 346/468, d=0.289, g=5.819
2/2 [==============================] - 0s 12ms/step
>8, 347/468, d=0.359, g=5.911
2/2 [==============================] - 0s 7ms/step
>8, 348/468, d=0.412, g=3.224
2/2 [==============================] - 0s 4ms/step
>8, 349/468, d=0.225, g=3.592
2/2 [==============================] - 0s 6ms/step
>8, 350/468, d=0.250, g=4.654
2/2 [==============================] - 0s 10ms/step
>8, 351/468, d=0.266, g=8.149
2/2 [==============================] - 0s 8ms/step
>8, 352/468, d=0.399, g=2.960
2/2 [==============================] - 0s 19ms/step
>8, 353/468, d=0.337, g=2.351
2/2 [==============================] - 0s 9ms/step
>8, 354/468, d=0.389, g=1.560
2/2 [==============================] - 0s 7ms/step
>8, 355/468, d=0.265, g=3.624
2/2 [==============================] - 0s 10ms/step
>8, 356/468, d=0.332, g=5.307
2/2 [==============================] - 0s 5ms/step
>8, 357/468, d=0.252, g=2.116
2/2 [==============================] - 0s 7ms/step
>8, 358/468, d=0.213, g=0.832
2/2 [==============================] - 0s 5ms/step
>8, 359/468, d=0.359, g=1.659
2/2 [==============================] - 0s 15ms/step
>8, 360/468, d=0.423, g=4.187
2/2 [==============================] - 0s 12ms/step
>8, 361/468, d=0.465, g=1.687
2/2 [==============================] - 0s 14ms/step
>8, 362/468, d=0.387, g=3.181
2/2 [==============================] - 0s 5ms/step
>8, 363/468, d=0.251, g=4.931
2/2 [==============================] - 0s 8ms/step
>8, 364/468, d=0.269, g=4.263
2/2 [==============================] - 0s 13ms/step
>8, 365/468, d=0.277, g=2.586
2/2 [==============================] - 0s 7ms/step
>8, 366/468, d=0.379, g=6.659
2/2 [==============================] - 0s 5ms/step
>8, 367/468, d=0.315, g=3.267
2/2 [==============================] - 0s 9ms/step
>8, 368/468, d=0.312, g=6.352
2/2 [==============================] - 0s 5ms/step
>8, 369/468, d=0.343, g=3.251
2/2 [==============================] - 0s 10ms/step
>8, 370/468, d=0.276, g=2.138
2/2 [==============================] - 0s 5ms/step
>8, 371/468, d=0.240, g=1.898
2/2 [==============================] - 0s 9ms/step
>8, 372/468, d=0.394, g=3.541
2/2 [==============================] - 0s 5ms/step
>8, 373/468, d=0.308, g=7.292
2/2 [==============================] - 0s 5ms/step
>8, 374/468, d=0.318, g=4.068
2/2 [==============================] - 0s 5ms/step
>8, 375/468, d=0.281, g=3.873
2/2 [==============================] - 0s 5ms/step
>8, 376/468, d=0.397, g=4.738
2/2 [==============================] - 0s 5ms/step
```

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>8, 377/468, d=0.470, g=3.219
2/2 [==============================] - 0s 7ms/step
>8, 378/468, d=0.417, g=4.489
2/2 [==============================] - 0s 6ms/step
>8, 379/468, d=0.335, g=3.923
2/2 [==============================] - 0s 6ms/step
>8, 380/468, d=0.411, g=5.089
2/2 [==============================] - 0s 7ms/step
>8, 381/468, d=0.371, g=8.396
2/2 [==============================] - 0s 12ms/step
>8, 382/468, d=0.241, g=6.157
2/2 [==============================] - 0s 9ms/step
>8, 383/468, d=0.227, g=2.044
2/2 [==============================] - 0s 10ms/step
>8, 384/468, d=0.185, g=1.172
2/2 [==============================] - 0s 9ms/step
>8, 385/468, d=0.250, g=1.294
2/2 [==============================] - 0s 11ms/step
>8, 386/468, d=0.301, g=3.032
2/2 [==============================] - 0s 4ms/step
>8, 387/468, d=0.306, g=3.868
2/2 [==============================] - 0s 6ms/step
>8, 388/468, d=0.436, g=1.750
2/2 [==============================] - 0s 8ms/step
>8, 389/468, d=0.234, g=1.622
2/2 [==============================] - 0s 9ms/step
>8, 390/468, d=0.349, g=1.646
2/2 [==============================] - 0s 8ms/step
>8, 391/468, d=0.283, g=4.223
2/2 [==============================] - 0s 12ms/step
>8, 392/468, d=0.275, g=4.201
2/2 [==============================] - 0s 6ms/step
>8, 393/468, d=0.259, g=1.194
2/2 [==============================] - 0s 4ms/step
>8, 394/468, d=0.228, g=0.654
2/2 [==============================] - 0s 6ms/step
>8, 395/468, d=0.285, g=1.205
2/2 [==============================] - 0s 4ms/step
>8, 396/468, d=0.268, g=3.512
2/2 [==============================] - 0s 11ms/step
>8, 397/468, d=0.243, g=4.465
2/2 [==============================] - 0s 6ms/step
>8, 398/468, d=0.282, g=4.411
2/2 [==============================] - 0s 14ms/step
>8, 399/468, d=0.262, g=3.438
2/2 [==============================] - 0s 10ms/step
>8, 400/468, d=0.197, g=1.416
2/2 [==============================] - 0s 15ms/step
>8, 401/468, d=0.224, g=1.134
2/2 [==============================] - 0s 5ms/step
>8, 402/468, d=0.364, g=1.322
2/2 [==============================] - 0s 13ms/step
>8, 403/468, d=0.206, g=2.876
2/2 [==============================] - 0s 5ms/step
>8, 404/468, d=0.247, g=3.905
2/2 [==============================] - 0s 7ms/step
>8, 405/468, d=0.225, g=2.902
2/2 [==============================] - 0s 7ms/step
>8, 406/468, d=0.296, g=3.064
2/2 [==============================] - 0s 7ms/step
>8, 407/468, d=0.278, g=3.754
2/2 [==============================] - 0s 5ms/step
>8, 408/468, d=0.281, g=3.038
2/2 [==============================] - 0s 14ms/step
```

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>8, 409/468, d=0.268, g=1.114
2/2 [==============================] - 0s 9ms/step
>8, 410/468, d=0.317, g=1.856
2/2 [==============================] - 0s 5ms/step
>8, 411/468, d=0.338, g=3.616
2/2 [==============================] - 0s 11ms/step
>8, 412/468, d=0.298, g=3.226
2/2 [==============================] - 0s 5ms/step
>8, 413/468, d=0.367, g=2.861
2/2 [==============================] - 0s 6ms/step
>8, 414/468, d=0.418, g=1.190
2/2 [==============================] - 0s 10ms/step
>8, 415/468, d=0.288, g=1.001
2/2 [==============================] - 0s 5ms/step
>8, 416/468, d=0.301, g=4.832
2/2 [==============================] - 0s 5ms/step
>8, 417/468, d=0.263, g=5.812
2/2 [==============================] - 0s 11ms/step
>8, 418/468, d=0.295, g=3.442
2/2 [==============================] - 0s 6ms/step
>8, 419/468, d=0.204, g=1.080
2/2 [==============================] - 0s 5ms/step
>8, 420/468, d=0.322, g=2.027
2/2 [==============================] - 0s 4ms/step
>8, 421/468, d=0.224, g=3.654
2/2 [==============================] - 0s 5ms/step
>8, 422/468, d=0.312, g=2.965
2/2 [==============================] - 0s 6ms/step
>8, 423/468, d=0.284, g=4.120
2/2 [==============================] - 0s 7ms/step
>8, 424/468, d=0.304, g=5.922
2/2 [==============================] - 0s 9ms/step
>8, 425/468, d=0.302, g=3.389
2/2 [==============================] - 0s 5ms/step
>8, 426/468, d=0.351, g=4.726
2/2 [==============================] - 0s 8ms/step
>8, 427/468, d=0.370, g=4.197
2/2 [==============================] - 0s 14ms/step
>8, 428/468, d=0.266, g=2.776
2/2 [==============================] - 0s 6ms/step
>8, 429/468, d=0.349, g=6.786
2/2 [==============================] - 0s 12ms/step
>8, 430/468, d=0.381, g=4.013
2/2 [==============================] - 0s 4ms/step
>8, 431/468, d=0.229, g=3.878
2/2 [==============================] - 0s 15ms/step
>8, 432/468, d=0.236, g=2.631
2/2 [==============================] - 0s 7ms/step
>8, 433/468, d=0.261, g=4.274
2/2 [==============================] - 0s 4ms/step
>8, 434/468, d=0.346, g=2.672
2/2 [==============================] - 0s 7ms/step
>8, 435/468, d=0.308, g=1.954
2/2 [==============================] - 0s 5ms/step
>8, 436/468, d=0.261, g=5.479
2/2 [==============================] - 0s 5ms/step
>8, 437/468, d=0.262, g=5.666
2/2 [==============================] - 0s 12ms/step
>8, 438/468, d=0.241, g=1.381
2/2 [==============================] - 0s 5ms/step
>8, 439/468, d=0.134, g=0.947
2/2 [==============================] - 0s 5ms/step
>8, 440/468, d=0.336, g=2.107
2/2 [==============================] - 0s 9ms/step
```

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>8, 441/468, d=0.226, g=4.668
2/2 [==============================] - 0s 4ms/step
>8, 442/468, d=0.230, g=2.695
2/2 [==============================] - 0s 12ms/step
>8, 443/468, d=0.245, g=1.428
2/2 [==============================] - 0s 5ms/step
>8, 444/468, d=0.263, g=0.477
2/2 [==============================] - 0s 7ms/step
>8, 445/468, d=0.415, g=3.349
2/2 [==============================] - 0s 11ms/step
>8, 446/468, d=0.157, g=3.543
2/2 [==============================] - 0s 10ms/step
>8, 447/468, d=0.286, g=1.047
2/2 [==============================] - 0s 7ms/step
>8, 448/468, d=0.318, g=0.885
2/2 [==============================] - 0s 10ms/step
>8, 449/468, d=0.191, g=1.744
2/2 [==============================] - 0s 9ms/step
>8, 450/468, d=0.330, g=3.553
2/2 [==============================] - 0s 5ms/step
>8, 451/468, d=0.316, g=6.293
2/2 [==============================] - 0s 9ms/step
>8, 452/468, d=0.252, g=4.696
2/2 [==============================] - 0s 5ms/step
>8, 453/468, d=0.195, g=3.239
2/2 [==============================] - 0s 5ms/step
>8, 454/468, d=0.288, g=2.967
2/2 [==============================] - 0s 6ms/step
>8, 455/468, d=0.304, g=2.527
2/2 [==============================] - 0s 5ms/step
>8, 456/468, d=0.276, g=1.117
2/2 [==============================] - 0s 17ms/step
>8, 457/468, d=0.416, g=3.022
2/2 [==============================] - 0s 9ms/step
>8, 458/468, d=0.288, g=2.816
2/2 [==============================] - 0s 8ms/step
>8, 459/468, d=0.375, g=3.686
2/2 [==============================] - 0s 13ms/step
>8, 460/468, d=0.268, g=3.994
2/2 [==============================] - 0s 9ms/step
>8, 461/468, d=0.382, g=4.395
2/2 [==============================] - 0s 7ms/step
>8, 462/468, d=0.289, g=1.241
2/2 [==============================] - 0s 14ms/step
>8, 463/468, d=0.221, g=1.386
2/2 [==============================] - 0s 7ms/step
>8, 464/468, d=0.280, g=2.520
2/2 [==============================] - 0s 4ms/step
>8, 465/468, d=0.358, g=2.920
2/2 [==============================] - 0s 9ms/step
>8, 466/468, d=0.226, g=4.805
2/2 [==============================] - 0s 6ms/step
>8, 467/468, d=0.352, g=9.368
2/2 [==============================] - 0s 4ms/step
>8, 468/468, d=0.414, g=6.886
2/2 [==============================] - 0s 4ms/step
>9, 1/468, d=0.349, g=5.797
2/2 [==============================] - 0s 12ms/step
>9, 2/468, d=0.280, g=5.526
2/2 [==============================] - 0s 4ms/step
>9, 3/468, d=0.179, g=4.251
2/2 [==============================] - 0s 9ms/step
>9, 4/468, d=0.284, g=2.676
2/2 [==============================] - 0s 7ms/step
```

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>9, 5/468, d=0.299, g=2.054
2/2 [==============================] - 0s 4ms/step
>9, 6/468, d=0.211, g=2.241
2/2 [==============================] - 0s 5ms/step
>9, 7/468, d=0.199, g=1.371
2/2 [==============================] - 0s 4ms/step
>9, 8/468, d=0.202, g=2.082
2/2 [==============================] - 0s 5ms/step
>9, 9/468, d=0.366, g=1.283
2/2 [==============================] - 0s 6ms/step
>9, 10/468, d=0.330, g=3.308
2/2 [==============================] - 0s 8ms/step
>9, 11/468, d=0.216, g=3.722
2/2 [==============================] - 0s 11ms/step
>9, 12/468, d=0.272, g=1.862
2/2 [==============================] - 0s 5ms/step
>9, 13/468, d=0.336, g=2.219
2/2 [==============================] - 0s 7ms/step
>9, 14/468, d=0.227, g=4.134
2/2 [==============================] - 0s 4ms/step
>9, 15/468, d=0.261, g=3.335
2/2 [==============================] - 0s 11ms/step
>9, 16/468, d=0.355, g=4.757
2/2 [==============================] - 0s 16ms/step
>9, 17/468, d=0.371, g=3.888
2/2 [==============================] - 0s 5ms/step
>9, 18/468, d=0.283, g=1.174
2/2 [==============================] - 0s 5ms/step
>9, 19/468, d=0.186, g=0.341
2/2 [==============================] - 0s 6ms/step
>9, 20/468, d=0.210, g=0.397
2/2 [==============================] - 0s 6ms/step
>9, 21/468, d=0.456, g=2.467
2/2 [==============================] - 0s 6ms/step
>9, 22/468, d=0.323, g=2.773
2/2 [==============================] - 0s 7ms/step
>9, 23/468, d=0.422, g=4.575
2/2 [==============================] - 0s 7ms/step
>9, 24/468, d=0.231, g=4.958
2/2 [==============================] - 0s 9ms/step
>9, 25/468, d=0.180, g=5.158
2/2 [==============================] - 0s 4ms/step
>9, 26/468, d=0.318, g=4.422
2/2 [==============================] - 0s 4ms/step
>9, 27/468, d=0.222, g=2.732
2/2 [==============================] - 0s 9ms/step
>9, 28/468, d=0.237, g=1.664
2/2 [==============================] - 0s 7ms/step
>9, 29/468, d=0.391, g=5.705
2/2 [==============================] - 0s 7ms/step
>9, 30/468, d=0.303, g=4.671
2/2 [==============================] - 0s 6ms/step
>9, 31/468, d=0.401, g=4.395
2/2 [==============================] - 0s 16ms/step
>9, 32/468, d=0.277, g=3.186
2/2 [==============================] - 0s 6ms/step
>9, 33/468, d=0.213, g=3.042
2/2 [==============================] - 0s 8ms/step
>9, 34/468, d=0.329, g=2.709
2/2 [==============================] - 0s 15ms/step
>9, 35/468, d=0.293, g=2.768
2/2 [==============================] - 0s 10ms/step
>9, 36/468, d=0.272, g=3.442
2/2 [==============================] - 0s 8ms/step
```

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>9, 37/468, d=0.259, g=2.672
2/2 [==============================] - 0s 13ms/step
>9, 38/468, d=0.283, g=4.166
2/2 [==============================] - 0s 10ms/step
>9, 39/468, d=0.304, g=7.421
2/2 [==============================] - 0s 6ms/step
>9, 40/468, d=0.366, g=0.586
2/2 [==============================] - 0s 9ms/step
>9, 41/468, d=0.280, g=0.430
2/2 [==============================] - 0s 6ms/step
>9, 42/468, d=0.266, g=1.387
2/2 [==============================] - 0s 8ms/step
>9, 43/468, d=0.381, g=0.973
2/2 [==============================] - 0s 6ms/step
>9, 44/468, d=0.505, g=2.365
2/2 [==============================] - 0s 7ms/step
>9, 45/468, d=0.284, g=4.636
2/2 [==============================] - 0s 7ms/step
>9, 46/468, d=0.436, g=7.683
2/2 [==============================] - 0s 12ms/step
>9, 47/468, d=0.290, g=4.011
2/2 [==============================] - 0s 5ms/step
>9, 48/468, d=0.272, g=2.879
2/2 [==============================] - 0s 12ms/step
>9, 49/468, d=0.245, g=4.387
2/2 [==============================] - 0s 12ms/step
>9, 50/468, d=0.374, g=2.682
2/2 [==============================] - 0s 11ms/step
>9, 51/468, d=0.247, g=4.046
2/2 [==============================] - 0s 7ms/step
>9, 52/468, d=0.335, g=2.642
2/2 [==============================] - 0s 5ms/step
>9, 53/468, d=0.264, g=4.563
2/2 [==============================] - 0s 10ms/step
>9, 54/468, d=0.242, g=6.597
2/2 [==============================] - 0s 5ms/step
>9, 55/468, d=0.279, g=6.072
2/2 [==============================] - 0s 5ms/step
>9, 56/468, d=0.218, g=3.349
2/2 [==============================] - 0s 6ms/step
>9, 57/468, d=0.225, g=1.486
2/2 [==============================] - 0s 12ms/step
>9, 58/468, d=0.220, g=1.140
2/2 [==============================] - 0s 5ms/step
>9, 59/468, d=0.338, g=0.498
2/2 [==============================] - 0s 5ms/step
>9, 60/468, d=0.332, g=1.574
2/2 [==============================] - 0s 4ms/step
>9, 61/468, d=0.306, g=0.735
2/2 [==============================] - 0s 6ms/step
>9, 62/468, d=0.209, g=1.632
2/2 [==============================] - 0s 9ms/step
>9, 63/468, d=0.314, g=2.356
2/2 [==============================] - 0s 6ms/step
>9, 64/468, d=0.276, g=5.738
2/2 [==============================] - 0s 7ms/step
>9, 65/468, d=0.348, g=5.631
2/2 [==============================] - 0s 11ms/step
>9, 66/468, d=0.239, g=3.775
2/2 [==============================] - 0s 7ms/step
>9, 67/468, d=0.274, g=3.665
2/2 [==============================] - 0s 10ms/step
>9, 68/468, d=0.297, g=1.957
2/2 [==============================] - 0s 10ms/step
```

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>9, 69/468, d=0.192, g=2.299
2/2 [==============================] - 0s 15ms/step
>9, 70/468, d=0.214, g=4.633
2/2 [==============================] - 0s 6ms/step
>9, 71/468, d=0.308, g=4.293
2/2 [==============================] - 0s 6ms/step
>9, 72/468, d=0.252, g=3.387
2/2 [==============================] - 0s 9ms/step
>9, 73/468, d=0.340, g=6.257
2/2 [==============================] - 0s 5ms/step
>9, 74/468, d=0.389, g=1.738
2/2 [==============================] - 0s 7ms/step
>9, 75/468, d=0.380, g=1.121
2/2 [==============================] - 0s 7ms/step
>9, 76/468, d=0.348, g=3.856
2/2 [==============================] - 0s 6ms/step
>9, 77/468, d=0.375, g=7.947
2/2 [==============================] - 0s 16ms/step
>9, 78/468, d=0.232, g=6.529
2/2 [==============================] - 0s 10ms/step
>9, 79/468, d=0.324, g=2.366
2/2 [==============================] - 0s 5ms/step
>9, 80/468, d=0.301, g=2.524
2/2 [==============================] - 0s 13ms/step
>9, 81/468, d=0.269, g=2.377
2/2 [==============================] - 0s 14ms/step
>9, 82/468, d=0.180, g=2.255
2/2 [==============================] - 0s 9ms/step
>9, 83/468, d=0.417, g=2.676
2/2 [==============================] - 0s 11ms/step
>9, 84/468, d=0.425, g=7.180
2/2 [==============================] - 0s 16ms/step
>9, 85/468, d=0.390, g=7.348
2/2 [==============================] - 0s 14ms/step
>9, 86/468, d=0.466, g=5.539
2/2 [==============================] - 0s 15ms/step
>9, 87/468, d=0.343, g=1.035
2/2 [==============================] - 0s 5ms/step
>9, 88/468, d=0.375, g=0.894
2/2 [==============================] - 0s 6ms/step
>9, 89/468, d=0.421, g=2.707
2/2 [==============================] - 0s 5ms/step
>9, 90/468, d=0.374, g=7.343
2/2 [==============================] - 0s 13ms/step
>9, 91/468, d=0.202, g=10.383
2/2 [==============================] - 0s 6ms/step
>9, 92/468, d=0.412, g=6.167
2/2 [==============================] - 0s 6ms/step
>9, 93/468, d=0.338, g=1.200
2/2 [==============================] - 0s 5ms/step
>9, 94/468, d=0.173, g=0.796
2/2 [==============================] - 0s 4ms/step
>9, 95/468, d=0.228, g=2.374
2/2 [==============================] - 0s 11ms/step
>9, 96/468, d=0.437, g=4.212
2/2 [==============================] - 0s 7ms/step
>9, 97/468, d=0.497, g=4.066
2/2 [==============================] - 0s 5ms/step
>9, 98/468, d=0.308, g=5.304
2/2 [==============================] - 0s 6ms/step
>9, 99/468, d=0.350, g=7.536
2/2 [==============================] - 0s 5ms/step
>9, 100/468, d=0.374, g=4.545
2/2 [==============================] - 0s 15ms/step
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>9, 101/468, d=0.305, g=4.305
2/2 [==============================] - 0s 8ms/step
>9, 102/468, d=0.308, g=1.239
2/2 [==============================] - 0s 7ms/step
>9, 103/468, d=0.286, g=0.710
2/2 [==============================] - 0s 7ms/step
>9, 104/468, d=0.232, g=1.317
2/2 [==============================] - 0s 6ms/step
>9, 105/468, d=0.218, g=0.827
2/2 [==============================] - 0s 7ms/step
>9, 106/468, d=0.306, g=1.502
2/2 [==============================] - 0s 4ms/step
>9, 107/468, d=0.225, g=4.448
2/2 [==============================] - 0s 12ms/step
>9, 108/468, d=0.275, g=4.952
2/2 [==============================] - 0s 5ms/step
>9, 109/468, d=0.270, g=7.142
2/2 [==============================] - 0s 6ms/step
>9, 110/468, d=0.272, g=5.046
2/2 [==============================] - 0s 7ms/step
>9, 111/468, d=0.338, g=3.607
2/2 [==============================] - 0s 6ms/step
>9, 112/468, d=0.274, g=6.502
2/2 [==============================] - 0s 6ms/step
>9, 113/468, d=0.484, g=1.612
2/2 [==============================] - 0s 13ms/step
>9, 114/468, d=0.531, g=2.591
2/2 [==============================] - 0s 13ms/step
>9, 115/468, d=0.399, g=6.717
2/2 [==============================] - 0s 15ms/step
>9, 116/468, d=0.478, g=6.815
2/2 [==============================] - 0s 12ms/step
>9, 117/468, d=0.395, g=1.387
2/2 [==============================] - 0s 7ms/step
>9, 118/468, d=0.172, g=1.110
2/2 [==============================] - 0s 8ms/step
>9, 119/468, d=0.287, g=5.205
2/2 [==============================] - 0s 7ms/step
>9, 120/468, d=0.458, g=4.993
2/2 [==============================] - 0s 11ms/step
>9, 121/468, d=0.279, g=6.004
2/2 [==============================] - 0s 5ms/step
>9, 122/468, d=0.199, g=3.829
2/2 [==============================] - 0s 8ms/step
>9, 123/468, d=0.306, g=4.794
2/2 [==============================] - 0s 11ms/step
>9, 124/468, d=0.204, g=4.076
2/2 [==============================] - 0s 9ms/step
>9, 125/468, d=0.194, g=4.473
2/2 [==============================] - 0s 5ms/step
>9, 126/468, d=0.342, g=4.909
2/2 [==============================] - 0s 5ms/step
>9, 127/468, d=0.338, g=5.192
2/2 [==============================] - 0s 5ms/step
>9, 128/468, d=0.313, g=2.008
2/2 [==============================] - 0s 5ms/step
>9, 129/468, d=0.195, g=0.460
2/2 [==============================] - 0s 6ms/step
>9, 130/468, d=0.255, g=1.752
2/2 [==============================] - 0s 4ms/step
>9, 131/468, d=0.261, g=2.000
2/2 [==============================] - 0s 4ms/step
>9, 132/468, d=0.206, g=3.123
2/2 [==============================] - 0s 5ms/step
```

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>9, 133/468, d=0.168, g=3.439
2/2 [==============================] - 0s 6ms/step
>9, 134/468, d=0.224, g=1.968
2/2 [==============================] - 0s 11ms/step
>9, 135/468, d=0.399, g=3.124
2/2 [==============================] - 0s 7ms/step
>9, 136/468, d=0.352, g=5.530
2/2 [==============================] - 0s 6ms/step
>9, 137/468, d=0.389, g=3.176
2/2 [==============================] - 0s 8ms/step
>9, 138/468, d=0.293, g=0.977
2/2 [==============================] - 0s 4ms/step
>9, 139/468, d=0.306, g=0.750
2/2 [==============================] - 0s 7ms/step
>9, 140/468, d=0.325, g=3.102
2/2 [==============================] - 0s 10ms/step
>9, 141/468, d=0.352, g=2.411
2/2 [==============================] - 0s 14ms/step
>9, 142/468, d=0.252, g=3.161
2/2 [==============================] - 0s 8ms/step
>9, 143/468, d=0.244, g=3.940
2/2 [==============================] - 0s 5ms/step
>9, 144/468, d=0.341, g=3.658
2/2 [==============================] - 0s 4ms/step
>9, 145/468, d=0.263, g=3.239
2/2 [==============================] - 0s 7ms/step
>9, 146/468, d=0.266, g=2.813
2/2 [==============================] - 0s 6ms/step
>9, 147/468, d=0.236, g=1.931
2/2 [==============================] - 0s 4ms/step
>9, 148/468, d=0.245, g=2.508
2/2 [==============================] - 0s 7ms/step
>9, 149/468, d=0.256, g=4.133
2/2 [==============================] - 0s 8ms/step
>9, 150/468, d=0.470, g=4.371
2/2 [==============================] - 0s 6ms/step
>9, 151/468, d=0.228, g=3.605
2/2 [==============================] - 0s 5ms/step
>9, 152/468, d=0.246, g=3.002
2/2 [==============================] - 0s 10ms/step
>9, 153/468, d=0.274, g=3.830
2/2 [==============================] - 0s 7ms/step
>9, 154/468, d=0.307, g=7.990
2/2 [==============================] - 0s 12ms/step
>9, 155/468, d=0.468, g=1.156
2/2 [==============================] - 0s 11ms/step
>9, 156/468, d=0.162, g=0.542
2/2 [==============================] - 0s 7ms/step
>9, 157/468, d=0.300, g=0.545
2/2 [==============================] - 0s 18ms/step
>9, 158/468, d=0.204, g=1.311
2/2 [==============================] - 0s 6ms/step
>9, 159/468, d=0.381, g=2.079
2/2 [==============================] - 0s 6ms/step
>9, 160/468, d=0.328, g=6.941
2/2 [==============================] - 0s 6ms/step
>9, 161/468, d=0.412, g=4.991
2/2 [==============================] - 0s 6ms/step
>9, 162/468, d=0.377, g=3.259
2/2 [==============================] - 0s 14ms/step
>9, 163/468, d=0.445, g=4.139
2/2 [==============================] - 0s 6ms/step
>9, 164/468, d=0.351, g=1.148
2/2 [==============================] - 0s 7ms/step
```

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>9, 165/468, d=0.234, g=0.808
2/2 [==============================] - 0s 5ms/step
>9, 166/468, d=0.318, g=2.260
2/2 [==============================] - 0s 5ms/step
>9, 167/468, d=0.461, g=6.669
2/2 [==============================] - 0s 11ms/step
>9, 168/468, d=0.323, g=9.293
2/2 [==============================] - 0s 6ms/step
>9, 169/468, d=0.344, g=8.176
2/2 [==============================] - 0s 5ms/step
>9, 170/468, d=0.326, g=5.893
2/2 [==============================] - 0s 8ms/step
>9, 171/468, d=0.304, g=1.242
2/2 [==============================] - 0s 6ms/step
>9, 172/468, d=0.330, g=1.045
2/2 [==============================] - 0s 13ms/step
>9, 173/468, d=0.351, g=2.127
2/2 [==============================] - 0s 10ms/step
>9, 174/468, d=0.334, g=6.278
2/2 [==============================] - 0s 6ms/step
>9, 175/468, d=0.434, g=2.988
2/2 [==============================] - 0s 14ms/step
>9, 176/468, d=0.253, g=1.708
2/2 [==============================] - 0s 6ms/step
>9, 177/468, d=0.285, g=1.362
2/2 [==============================] - 0s 10ms/step
>9, 178/468, d=0.294, g=0.700
2/2 [==============================] - 0s 4ms/step
>9, 179/468, d=0.221, g=0.510
2/2 [==============================] - 0s 6ms/step
>9, 180/468, d=0.262, g=1.902
2/2 [==============================] - 0s 8ms/step
>9, 181/468, d=0.226, g=3.210
2/2 [==============================] - 0s 4ms/step
>9, 182/468, d=0.362, g=0.196
2/2 [==============================] - 0s 5ms/step
>9, 183/468, d=0.311, g=0.538
2/2 [==============================] - 0s 5ms/step
>9, 184/468, d=0.298, g=1.991
2/2 [==============================] - 0s 5ms/step
>9, 185/468, d=0.337, g=2.305
2/2 [==============================] - 0s 8ms/step
>9, 186/468, d=0.284, g=2.472
2/2 [==============================] - 0s 5ms/step
>9, 187/468, d=0.320, g=1.598
2/2 [==============================] - 0s 5ms/step
>9, 188/468, d=0.189, g=2.167
2/2 [==============================] - 0s 5ms/step
>9, 189/468, d=0.418, g=5.685
2/2 [==============================] - 0s 5ms/step
>9, 190/468, d=0.522, g=7.690
2/2 [==============================] - 0s 5ms/step
>9, 191/468, d=0.277, g=8.862
2/2 [==============================] - 0s 9ms/step
>9, 192/468, d=0.367, g=4.981
2/2 [==============================] - 0s 9ms/step
>9, 193/468, d=0.162, g=3.120
2/2 [==============================] - 0s 4ms/step
>9, 194/468, d=0.313, g=3.310
2/2 [==============================] - 0s 5ms/step
>9, 195/468, d=0.233, g=7.606
2/2 [==============================] - 0s 8ms/step
>9, 196/468, d=0.321, g=7.836
2/2 [==============================] - 0s 8ms/step
```

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>9, 197/468, d=0.214, g=5.378
2/2 [==============================] - 0s 7ms/step
>9, 198/468, d=0.164, g=5.834
2/2 [==============================] - 0s 5ms/step
>9, 199/468, d=0.298, g=4.003
2/2 [==============================] - 0s 8ms/step
>9, 200/468, d=0.316, g=2.306
2/2 [==============================] - 0s 6ms/step
>9, 201/468, d=0.390, g=2.817
2/2 [==============================] - 0s 8ms/step
>9, 202/468, d=0.275, g=4.732
2/2 [==============================] - 0s 5ms/step
>9, 203/468, d=0.215, g=5.320
2/2 [==============================] - 0s 5ms/step
>9, 204/468, d=0.290, g=0.882
2/2 [==============================] - 0s 15ms/step
>9, 205/468, d=0.187, g=1.143
2/2 [==============================] - 0s 7ms/step
>9, 206/468, d=0.283, g=1.682
2/2 [==============================] - 0s 4ms/step
>9, 207/468, d=0.292, g=3.138
2/2 [==============================] - 0s 8ms/step
>9, 208/468, d=0.321, g=3.271
2/2 [==============================] - 0s 13ms/step
>9, 209/468, d=0.280, g=4.028
2/2 [==============================] - 0s 7ms/step
>9, 210/468, d=0.266, g=4.403
2/2 [==============================] - 0s 7ms/step
>9, 211/468, d=0.234, g=3.177
2/2 [==============================] - 0s 5ms/step
>9, 212/468, d=0.368, g=0.899
2/2 [==============================] - 0s 4ms/step
>9, 213/468, d=0.505, g=4.593
2/2 [==============================] - 0s 12ms/step
>9, 214/468, d=0.258, g=3.889
2/2 [==============================] - 0s 9ms/step
>9, 215/468, d=0.323, g=1.249
2/2 [==============================] - 0s 4ms/step
>9, 216/468, d=0.241, g=1.052
2/2 [==============================] - 0s 6ms/step
>9, 217/468, d=0.188, g=1.463
2/2 [==============================] - 0s 7ms/step
>9, 218/468, d=0.281, g=2.469
2/2 [==============================] - 0s 9ms/step
>9, 219/468, d=0.368, g=5.947
2/2 [==============================] - 0s 5ms/step
>9, 220/468, d=0.292, g=3.782
2/2 [==============================] - 0s 5ms/step
>9, 221/468, d=0.286, g=2.513
2/2 [==============================] - 0s 4ms/step
>9, 222/468, d=0.300, g=1.461
2/2 [==============================] - 0s 10ms/step
>9, 223/468, d=0.372, g=4.145
2/2 [==============================] - 0s 7ms/step
>9, 224/468, d=0.336, g=1.627
2/2 [==============================] - 0s 8ms/step
>9, 225/468, d=0.291, g=1.265
2/2 [==============================] - 0s 10ms/step
>9, 226/468, d=0.237, g=2.633
2/2 [==============================] - 0s 8ms/step
>9, 227/468, d=0.226, g=4.476
2/2 [==============================] - 0s 6ms/step
>9, 228/468, d=0.322, g=4.796
2/2 [==============================] - 0s 15ms/step
```

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>9, 229/468, d=0.230, g=4.439
2/2 [==============================] - 0s 7ms/step
>9, 230/468, d=0.260, g=2.895
2/2 [==============================] - 0s 6ms/step
>9, 231/468, d=0.365, g=5.378
2/2 [==============================] - 0s 14ms/step
>9, 232/468, d=0.506, g=0.343
2/2 [==============================] - 0s 5ms/step
>9, 233/468, d=0.197, g=0.077
2/2 [==============================] - 0s 9ms/step
>9, 234/468, d=0.261, g=0.361
2/2 [==============================] - 0s 14ms/step
>9, 235/468, d=0.232, g=1.785
2/2 [==============================] - 0s 6ms/step
>9, 236/468, d=0.207, g=2.132
2/2 [==============================] - 0s 6ms/step
>9, 237/468, d=0.243, g=3.774
2/2 [==============================] - 0s 7ms/step
>9, 238/468, d=0.224, g=3.226
2/2 [==============================] - 0s 5ms/step
>9, 239/468, d=0.255, g=5.978
2/2 [==============================] - 0s 7ms/step
>9, 240/468, d=0.271, g=3.394
2/2 [==============================] - 0s 14ms/step
>9, 241/468, d=0.293, g=3.241
2/2 [==============================] - 0s 12ms/step
>9, 242/468, d=0.280, g=2.884
2/2 [==============================] - 0s 5ms/step
>9, 243/468, d=0.390, g=1.859
2/2 [==============================] - 0s 4ms/step
>9, 244/468, d=0.260, g=2.103
2/2 [==============================] - 0s 4ms/step
>9, 245/468, d=0.376, g=4.578
2/2 [==============================] - 0s 5ms/step
>9, 246/468, d=0.286, g=5.037
2/2 [==============================] - 0s 5ms/step
>9, 247/468, d=0.277, g=1.758
2/2 [==============================] - 0s 5ms/step
>9, 248/468, d=0.190, g=1.612
2/2 [==============================] - 0s 6ms/step
>9, 249/468, d=0.243, g=0.446
2/2 [==============================] - 0s 10ms/step
>9, 250/468, d=0.243, g=1.313
2/2 [==============================] - 0s 14ms/step
>9, 251/468, d=0.287, g=2.547
2/2 [==============================] - 0s 8ms/step
>9, 252/468, d=0.327, g=3.556
2/2 [==============================] - 0s 7ms/step
>9, 253/468, d=0.302, g=3.329
2/2 [==============================] - 0s 13ms/step
>9, 254/468, d=0.316, g=3.998
2/2 [==============================] - 0s 4ms/step
>9, 255/468, d=0.249, g=5.541
2/2 [==============================] - 0s 5ms/step
>9, 256/468, d=0.207, g=4.342
2/2 [==============================] - 0s 4ms/step
>9, 257/468, d=0.316, g=5.114
2/2 [==============================] - 0s 9ms/step
>9, 258/468, d=0.311, g=2.890
2/2 [==============================] - 0s 10ms/step
>9, 259/468, d=0.318, g=4.394
2/2 [==============================] - 0s 5ms/step
>9, 260/468, d=0.300, g=1.502
2/2 [==============================] - 0s 12ms/step
```

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>9, 261/468, d=0.183, g=1.154
2/2 [==============================] - 0s 6ms/step
>9, 262/468, d=0.288, g=3.966
2/2 [==============================] - 0s 15ms/step
>9, 263/468, d=0.406, g=3.126
2/2 [==============================] - 0s 6ms/step
>9, 264/468, d=0.354, g=4.350
2/2 [==============================] - 0s 6ms/step
>9, 265/468, d=0.480, g=0.674
2/2 [==============================] - 0s 7ms/step
>9, 266/468, d=0.158, g=1.781
2/2 [==============================] - 0s 7ms/step
>9, 267/468, d=0.583, g=5.166
2/2 [==============================] - 0s 5ms/step
>9, 268/468, d=0.327, g=8.592
2/2 [==============================] - 0s 6ms/step
>9, 269/468, d=0.370, g=10.182
2/2 [==============================] - 0s 5ms/step
>9, 270/468, d=0.346, g=12.776
2/2 [==============================] - 0s 9ms/step
>9, 271/468, d=0.833, g=1.873
2/2 [==============================] - 0s 7ms/step
>9, 272/468, d=0.169, g=0.338
2/2 [==============================] - 0s 7ms/step
>9, 273/468, d=0.378, g=0.921
2/2 [==============================] - 0s 6ms/step
>9, 274/468, d=0.401, g=2.230
2/2 [==============================] - 0s 5ms/step
>9, 275/468, d=0.291, g=5.392
2/2 [==============================] - 0s 7ms/step
>9, 276/468, d=0.425, g=6.482
2/2 [==============================] - 0s 7ms/step
>9, 277/468, d=0.288, g=9.461
2/2 [==============================] - 0s 5ms/step
>9, 278/468, d=0.298, g=9.498
2/2 [==============================] - 0s 5ms/step
>9, 279/468, d=0.416, g=3.600
2/2 [==============================] - 0s 5ms/step
>9, 280/468, d=0.320, g=3.325
2/2 [==============================] - 0s 5ms/step
>9, 281/468, d=0.376, g=5.501
2/2 [==============================] - 0s 5ms/step
>9, 282/468, d=0.366, g=4.842
2/2 [==============================] - 0s 9ms/step
>9, 283/468, d=0.206, g=4.837
2/2 [==============================] - 0s 12ms/step
>9, 284/468, d=0.303, g=3.764
2/2 [==============================] - 0s 8ms/step
>9, 285/468, d=0.229, g=3.197
2/2 [==============================] - 0s 7ms/step
>9, 286/468, d=0.256, g=2.222
2/2 [==============================] - 0s 5ms/step
>9, 287/468, d=0.310, g=2.886
2/2 [==============================] - 0s 14ms/step
>9, 288/468, d=0.348, g=2.331
2/2 [==============================] - 0s 5ms/step
>9, 289/468, d=0.342, g=2.269
2/2 [==============================] - 0s 5ms/step
>9, 290/468, d=0.324, g=1.147
2/2 [==============================] - 0s 15ms/step
>9, 291/468, d=0.215, g=0.983
2/2 [==============================] - 0s 4ms/step
>9, 292/468, d=0.331, g=2.368
2/2 [==============================] - 0s 5ms/step
```

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>9, 293/468, d=0.523, g=3.399
2/2 [==============================] - 0s 5ms/step
>9, 294/468, d=0.354, g=2.931
2/2 [==============================] - 0s 5ms/step
>9, 295/468, d=0.256, g=3.116
2/2 [==============================] - 0s 11ms/step
>9, 296/468, d=0.376, g=6.192
2/2 [==============================] - 0s 7ms/step
>9, 297/468, d=0.433, g=5.986
2/2 [==============================] - 0s 4ms/step
>9, 298/468, d=0.243, g=2.823
2/2 [==============================] - 0s 7ms/step
>9, 299/468, d=0.304, g=4.096
2/2 [==============================] - 0s 11ms/step
>9, 300/468, d=0.384, g=2.862
2/2 [==============================] - 0s 12ms/step
>9, 301/468, d=0.347, g=1.779
2/2 [==============================] - 0s 5ms/step
>9, 302/468, d=0.338, g=3.797
2/2 [==============================] - 0s 6ms/step
>9, 303/468, d=0.218, g=2.551
2/2 [==============================] - 0s 6ms/step
>9, 304/468, d=0.191, g=1.302
2/2 [==============================] - 0s 7ms/step
>9, 305/468, d=0.312, g=1.269
2/2 [==============================] - 0s 13ms/step
>9, 306/468, d=0.279, g=1.694
2/2 [==============================] - 0s 7ms/step
>9, 307/468, d=0.270, g=4.179
2/2 [==============================] - 0s 7ms/step
>9, 308/468, d=0.355, g=3.370
2/2 [==============================] - 0s 10ms/step
>9, 309/468, d=0.274, g=3.263
2/2 [==============================] - 0s 6ms/step
>9, 310/468, d=0.357, g=3.211
2/2 [==============================] - 0s 7ms/step
>9, 311/468, d=0.193, g=3.297
2/2 [==============================] - 0s 6ms/step
>9, 312/468, d=0.283, g=2.780
2/2 [==============================] - 0s 12ms/step
>9, 313/468, d=0.331, g=3.444
2/2 [==============================] - 0s 15ms/step
>9, 314/468, d=0.327, g=4.954
2/2 [==============================] - 0s 6ms/step
>9, 315/468, d=0.325, g=5.851
2/2 [==============================] - 0s 15ms/step
>9, 316/468, d=0.222, g=4.983
2/2 [==============================] - 0s 7ms/step
>9, 317/468, d=0.200, g=5.215
2/2 [==============================] - 0s 6ms/step
>9, 318/468, d=0.355, g=3.500
2/2 [==============================] - 0s 8ms/step
>9, 319/468, d=0.404, g=7.041
2/2 [==============================] - 0s 5ms/step
>9, 320/468, d=0.330, g=4.524
2/2 [==============================] - 0s 5ms/step
>9, 321/468, d=0.284, g=3.968
2/2 [==============================] - 0s 10ms/step
>9, 322/468, d=0.298, g=3.584
2/2 [==============================] - 0s 6ms/step
>9, 323/468, d=0.369, g=3.604
2/2 [==============================] - 0s 7ms/step
>9, 324/468, d=0.293, g=3.822
2/2 [==============================] - 0s 15ms/step
```

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>9, 325/468, d=0.362, g=1.259
2/2 [==============================] - 0s 4ms/step
>9, 326/468, d=0.492, g=2.358
2/2 [==============================] - 0s 6ms/step
>9, 327/468, d=0.262, g=2.080
2/2 [==============================] - 0s 8ms/step
>9, 328/468, d=0.360, g=1.465
2/2 [==============================] - 0s 16ms/step
>9, 329/468, d=0.261, g=2.047
2/2 [==============================] - 0s 11ms/step
>9, 330/468, d=0.316, g=2.044
2/2 [==============================] - 0s 6ms/step
>9, 331/468, d=0.340, g=2.466
2/2 [==============================] - 0s 6ms/step
>9, 332/468, d=0.359, g=0.843
2/2 [==============================] - 0s 4ms/step
>9, 333/468, d=0.258, g=0.656
2/2 [==============================] - 0s 8ms/step
>9, 334/468, d=0.313, g=0.641
2/2 [==============================] - 0s 15ms/step
>9, 335/468, d=0.255, g=2.163
2/2 [==============================] - 0s 12ms/step
>9, 336/468, d=0.281, g=2.908
2/2 [==============================] - 0s 3ms/step
>9, 337/468, d=0.279, g=3.500
2/2 [==============================] - 0s 6ms/step
>9, 338/468, d=0.340, g=4.744
2/2 [==============================] - 0s 8ms/step
>9, 339/468, d=0.293, g=2.856
2/2 [==============================] - 0s 14ms/step
>9, 340/468, d=0.207, g=3.661
2/2 [==============================] - 0s 10ms/step
>9, 341/468, d=0.213, g=4.239
2/2 [==============================] - 0s 13ms/step
>9, 342/468, d=0.253, g=5.839
2/2 [==============================] - 0s 7ms/step
>9, 343/468, d=0.306, g=3.665
2/2 [==============================] - 0s 7ms/step
>9, 344/468, d=0.280, g=5.243
2/2 [==============================] - 0s 18ms/step
>9, 345/468, d=0.239, g=3.295
2/2 [==============================] - 0s 6ms/step
>9, 346/468, d=0.261, g=3.132
2/2 [==============================] - 0s 12ms/step
>9, 347/468, d=0.270, g=6.210
2/2 [==============================] - 0s 5ms/step
>9, 348/468, d=0.290, g=6.378
2/2 [==============================] - 0s 4ms/step
>9, 349/468, d=0.356, g=2.050
2/2 [==============================] - 0s 8ms/step
>9, 350/468, d=0.260, g=0.721
2/2 [==============================] - 0s 8ms/step
>9, 351/468, d=0.316, g=2.701
2/2 [==============================] - 0s 6ms/step
>9, 352/468, d=0.279, g=5.029
2/2 [==============================] - 0s 5ms/step
>9, 353/468, d=0.230, g=7.328
2/2 [==============================] - 0s 5ms/step
>9, 354/468, d=0.290, g=0.713
2/2 [==============================] - 0s 11ms/step
>9, 355/468, d=0.097, g=0.522
2/2 [==============================] - 0s 9ms/step
>9, 356/468, d=0.141, g=0.578
2/2 [==============================] - 0s 7ms/step
```

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>9, 357/468, d=0.219, g=0.456
2/2 [==============================] - 0s 5ms/step
>9, 358/468, d=0.211, g=1.772
2/2 [==============================] - 0s 16ms/step
>9, 359/468, d=0.282, g=4.310
2/2 [==============================] - 0s 7ms/step
>9, 360/468, d=0.282, g=5.304
2/2 [==============================] - 0s 8ms/step
>9, 361/468, d=0.266, g=9.717
2/2 [==============================] - 0s 4ms/step
>9, 362/468, d=0.460, g=2.772
2/2 [==============================] - 0s 7ms/step
>9, 363/468, d=0.168, g=2.725
2/2 [==============================] - 0s 4ms/step
>9, 364/468, d=0.401, g=4.502
2/2 [==============================] - 0s 5ms/step
>9, 365/468, d=0.304, g=6.127
2/2 [==============================] - 0s 4ms/step
>9, 366/468, d=0.338, g=5.111
2/2 [==============================] - 0s 8ms/step
>9, 367/468, d=0.216, g=2.437
2/2 [==============================] - 0s 6ms/step
>9, 368/468, d=0.297, g=2.922
2/2 [==============================] - 0s 4ms/step
>9, 369/468, d=0.226, g=6.720
2/2 [==============================] - 0s 5ms/step
>9, 370/468, d=0.374, g=4.466
2/2 [==============================] - 0s 6ms/step
>9, 371/468, d=0.432, g=0.698
2/2 [==============================] - 0s 14ms/step
>9, 372/468, d=0.317, g=0.580
2/2 [==============================] - 0s 6ms/step
>9, 373/468, d=0.311, g=2.373
2/2 [==============================] - 0s 9ms/step
>9, 374/468, d=0.380, g=1.384
2/2 [==============================] - 0s 11ms/step
>9, 375/468, d=0.307, g=2.836
2/2 [==============================] - 0s 7ms/step
>9, 376/468, d=0.230, g=3.483
2/2 [==============================] - 0s 6ms/step
>9, 377/468, d=0.259, g=3.312
2/2 [==============================] - 0s 6ms/step
>9, 378/468, d=0.325, g=4.454
2/2 [==============================] - 0s 6ms/step
>9, 379/468, d=0.312, g=1.134
2/2 [==============================] - 0s 5ms/step
>9, 380/468, d=0.439, g=3.966
2/2 [==============================] - 0s 7ms/step
>9, 381/468, d=0.313, g=4.561
2/2 [==============================] - 0s 7ms/step
>9, 382/468, d=0.574, g=3.873
2/2 [==============================] - 0s 16ms/step
>9, 383/468, d=0.273, g=3.880
2/2 [==============================] - 0s 7ms/step
>9, 384/468, d=0.311, g=1.091
2/2 [==============================] - 0s 9ms/step
>9, 385/468, d=0.267, g=1.999
2/2 [==============================] - 0s 5ms/step
>9, 386/468, d=0.323, g=2.141
2/2 [==============================] - 0s 8ms/step
>9, 387/468, d=0.262, g=2.903
2/2 [==============================] - 0s 7ms/step
>9, 388/468, d=0.320, g=5.867
2/2 [==============================] - 0s 5ms/step
```

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>9, 389/468, d=0.260, g=4.990
2/2 [==============================] - 0s 16ms/step
>9, 390/468, d=0.259, g=1.907
2/2 [==============================] - 0s 9ms/step
>9, 391/468, d=0.387, g=2.368
2/2 [==============================] - 0s 6ms/step
>9, 392/468, d=0.278, g=4.019
2/2 [==============================] - 0s 4ms/step
>9, 393/468, d=0.230, g=4.451
2/2 [==============================] - 0s 6ms/step
>9, 394/468, d=0.274, g=6.087
2/2 [==============================] - 0s 7ms/step
>9, 395/468, d=0.312, g=2.933
2/2 [==============================] - 0s 7ms/step
>9, 396/468, d=0.395, g=5.250
2/2 [==============================] - 0s 6ms/step
>9, 397/468, d=0.328, g=6.486
2/2 [==============================] - 0s 6ms/step
>9, 398/468, d=0.290, g=4.085
2/2 [==============================] - 0s 10ms/step
>9, 399/468, d=0.268, g=4.089
2/2 [==============================] - 0s 10ms/step
>9, 400/468, d=0.296, g=3.264
2/2 [==============================] - 0s 5ms/step
>9, 401/468, d=0.285, g=0.814
2/2 [==============================] - 0s 17ms/step
>9, 402/468, d=0.342, g=1.409
2/2 [==============================] - 0s 12ms/step
>9, 403/468, d=0.344, g=1.792
2/2 [==============================] - 0s 6ms/step
>9, 404/468, d=0.311, g=1.548
2/2 [==============================] - 0s 5ms/step
>9, 405/468, d=0.228, g=3.140
2/2 [==============================] - 0s 5ms/step
>9, 406/468, d=0.320, g=2.390
2/2 [==============================] - 0s 4ms/step
>9, 407/468, d=0.287, g=1.546
2/2 [==============================] - 0s 17ms/step
>9, 408/468, d=0.288, g=3.729
2/2 [==============================] - 0s 6ms/step
>9, 409/468, d=0.410, g=7.199
2/2 [==============================] - 0s 5ms/step
>9, 410/468, d=0.400, g=2.916
2/2 [==============================] - 0s 13ms/step
>9, 411/468, d=0.259, g=1.726
2/2 [==============================] - 0s 10ms/step
>9, 412/468, d=0.257, g=0.484
2/2 [==============================] - 0s 6ms/step
>9, 413/468, d=0.260, g=1.116
2/2 [==============================] - 0s 11ms/step
>9, 414/468, d=0.315, g=2.220
2/2 [==============================] - 0s 11ms/step
>9, 415/468, d=0.219, g=6.702
2/2 [==============================] - 0s 7ms/step
>9, 416/468, d=0.338, g=3.872
2/2 [==============================] - 0s 11ms/step
>9, 417/468, d=0.189, g=1.091
2/2 [==============================] - 0s 7ms/step
>9, 418/468, d=0.201, g=1.565
2/2 [==============================] - 0s 4ms/step
>9, 419/468, d=0.454, g=7.476
2/2 [==============================] - 0s 12ms/step
>9, 420/468, d=0.256, g=10.741
2/2 [==============================] - 0s 4ms/step
```

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>9, 421/468, d=0.710, g=3.778
2/2 [==============================] - 0s 8ms/step
>9, 422/468, d=0.523, g=6.190
2/2 [==============================] - 0s 4ms/step
>9, 423/468, d=0.314, g=3.526
2/2 [==============================] - 0s 7ms/step
>9, 424/468, d=0.318, g=2.559
2/2 [==============================] - 0s 7ms/step
>9, 425/468, d=0.205, g=3.028
2/2 [==============================] - 0s 4ms/step
>9, 426/468, d=0.231, g=3.224
2/2 [==============================] - 0s 7ms/step
>9, 427/468, d=0.326, g=3.549
2/2 [==============================] - 0s 6ms/step
>9, 428/468, d=0.263, g=3.679
2/2 [==============================] - 0s 5ms/step
>9, 429/468, d=0.280, g=0.512
2/2 [==============================] - 0s 5ms/step
>9, 430/468, d=0.167, g=0.751
2/2 [==============================] - 0s 5ms/step
>9, 431/468, d=0.268, g=1.059
2/2 [==============================] - 0s 4ms/step
>9, 432/468, d=0.271, g=2.112
2/2 [==============================] - 0s 5ms/step
>9, 433/468, d=0.376, g=8.189
2/2 [==============================] - 0s 5ms/step
>9, 434/468, d=0.272, g=6.231
2/2 [==============================] - 0s 5ms/step
>9, 435/468, d=0.200, g=2.448
2/2 [==============================] - 0s 4ms/step
>9, 436/468, d=0.257, g=2.805
2/2 [==============================] - 0s 5ms/step
>9, 437/468, d=0.261, g=2.256
2/2 [==============================] - 0s 4ms/step
>9, 438/468, d=0.320, g=2.824
2/2 [==============================] - 0s 5ms/step
>9, 439/468, d=0.296, g=3.385
2/2 [==============================] - 0s 5ms/step
>9, 440/468, d=0.274, g=4.292
2/2 [==============================] - 0s 6ms/step
>9, 441/468, d=0.257, g=3.517
2/2 [==============================] - 0s 4ms/step
>9, 442/468, d=0.377, g=6.832
2/2 [==============================] - 0s 16ms/step
>9, 443/468, d=0.247, g=5.646
2/2 [==============================] - 0s 6ms/step
>9, 444/468, d=0.289, g=1.771
2/2 [==============================] - 0s 4ms/step
>9, 445/468, d=0.273, g=0.699
2/2 [==============================] - 0s 10ms/step
>9, 446/468, d=0.428, g=2.775
2/2 [==============================] - 0s 5ms/step
>9, 447/468, d=0.222, g=4.967
2/2 [==============================] - 0s 6ms/step
>9, 448/468, d=0.223, g=3.861
2/2 [==============================] - 0s 7ms/step
>9, 449/468, d=0.282, g=4.118
2/2 [==============================] - 0s 5ms/step
>9, 450/468, d=0.266, g=2.504
2/2 [==============================] - 0s 6ms/step
>9, 451/468, d=0.303, g=4.051
2/2 [==============================] - 0s 8ms/step
>9, 452/468, d=0.337, g=2.717
2/2 [==============================] - 0s 7ms/step
```

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>9, 453/468, d=0.269, g=4.203
2/2 [==============================] - 0s 5ms/step
>9, 454/468, d=0.270, g=3.443
2/2 [==============================] - 0s 7ms/step
>9, 455/468, d=0.337, g=2.774
2/2 [==============================] - 0s 5ms/step
>9, 456/468, d=0.342, g=4.745
2/2 [==============================] - 0s 5ms/step
>9, 457/468, d=0.326, g=4.996
2/2 [==============================] - 0s 9ms/step
>9, 458/468, d=0.280, g=4.700
2/2 [==============================] - 0s 6ms/step
>9, 459/468, d=0.262, g=4.093
2/2 [==============================] - 0s 5ms/step
>9, 460/468, d=0.236, g=4.209
2/2 [==============================] - 0s 6ms/step
>9, 461/468, d=0.360, g=5.208
2/2 [==============================] - 0s 5ms/step
>9, 462/468, d=0.347, g=4.401
2/2 [==============================] - 0s 9ms/step
>9, 463/468, d=0.319, g=1.591
2/2 [==============================] - 0s 15ms/step
>9, 464/468, d=0.490, g=2.097
2/2 [==============================] - 0s 10ms/step
>9, 465/468, d=0.276, g=2.421
2/2 [==============================] - 0s 10ms/step
>9, 466/468, d=0.370, g=0.603
2/2 [==============================] - 0s 12ms/step
>9, 467/468, d=0.321, g=1.304
2/2 [==============================] - 0s 9ms/step
>9, 468/468, d=0.277, g=2.859
2/2 [==============================] - 0s 7ms/step
>10, 1/468, d=0.314, g=6.219
2/2 [==============================] - 0s 6ms/step
>10, 2/468, d=0.340, g=2.352
2/2 [==============================] - 0s 4ms/step
>10, 3/468, d=0.206, g=1.214
2/2 [==============================] - 0s 5ms/step
>10, 4/468, d=0.293, g=2.497
2/2 [==============================] - 0s 9ms/step
>10, 5/468, d=0.319, g=5.375
2/2 [==============================] - 0s 7ms/step
>10, 6/468, d=0.281, g=4.381
2/2 [==============================] - 0s 8ms/step
>10, 7/468, d=0.317, g=1.980
2/2 [==============================] - 0s 7ms/step
>10, 8/468, d=0.301, g=4.037
2/2 [==============================] - 0s 9ms/step
>10, 9/468, d=0.381, g=2.081
2/2 [==============================] - 0s 13ms/step
>10, 10/468, d=0.283, g=2.088
2/2 [==============================] - 0s 14ms/step
>10, 11/468, d=0.359, g=4.727
2/2 [==============================] - 0s 5ms/step
>10, 12/468, d=0.342, g=3.486
2/2 [==============================] - 0s 7ms/step
>10, 13/468, d=0.293, g=7.012
2/2 [==============================] - 0s 10ms/step
>10, 14/468, d=0.320, g=4.831
2/2 [==============================] - 0s 6ms/step
>10, 15/468, d=0.237, g=1.294
2/2 [==============================] - 0s 9ms/step
>10, 16/468, d=0.210, g=2.592
2/2 [==============================] - 0s 7ms/step
```

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>10, 17/468, d=0.265, g=3.179
2/2 [==============================] - 0s 15ms/step
>10, 18/468, d=0.253, g=3.478
2/2 [==============================] - 0s 6ms/step
>10, 19/468, d=0.354, g=5.073
2/2 [==============================] - 0s 10ms/step
>10, 20/468, d=0.170, g=4.752
2/2 [==============================] - 0s 5ms/step
>10, 21/468, d=0.261, g=2.635
2/2 [==============================] - 0s 5ms/step
>10, 22/468, d=0.344, g=4.302
2/2 [==============================] - 0s 6ms/step
>10, 23/468, d=0.347, g=2.523
2/2 [==============================] - 0s 6ms/step
>10, 24/468, d=0.237, g=3.621
2/2 [==============================] - 0s 4ms/step
>10, 25/468, d=0.297, g=3.530
2/2 [==============================] - 0s 7ms/step
>10, 26/468, d=0.313, g=2.078
2/2 [==============================] - 0s 11ms/step
>10, 27/468, d=0.333, g=2.770
2/2 [==============================] - 0s 11ms/step
>10, 28/468, d=0.292, g=3.096
2/2 [==============================] - 0s 10ms/step
>10, 29/468, d=0.233, g=4.239
2/2 [==============================] - 0s 5ms/step
>10, 30/468, d=0.287, g=3.224
2/2 [==============================] - 0s 7ms/step
>10, 31/468, d=0.317, g=2.754
2/2 [==============================] - 0s 6ms/step
>10, 32/468, d=0.381, g=4.972
2/2 [==============================] - 0s 14ms/step
>10, 33/468, d=0.295, g=3.361
2/2 [==============================] - 0s 6ms/step
>10, 34/468, d=0.230, g=2.778
2/2 [==============================] - 0s 5ms/step
>10, 35/468, d=0.366, g=4.148
2/2 [==============================] - 0s 4ms/step
>10, 36/468, d=0.321, g=5.785
2/2 [==============================] - 0s 12ms/step
>10, 37/468, d=0.285, g=3.041
2/2 [==============================] - 0s 9ms/step
>10, 38/468, d=0.282, g=3.419
2/2 [==============================] - 0s 8ms/step
>10, 39/468, d=0.251, g=1.541
2/2 [==============================] - 0s 8ms/step
>10, 40/468, d=0.282, g=1.993
2/2 [==============================] - 0s 5ms/step
>10, 41/468, d=0.261, g=1.513
2/2 [==============================] - 0s 9ms/step
>10, 42/468, d=0.360, g=4.227
2/2 [==============================] - 0s 5ms/step
>10, 43/468, d=0.260, g=4.555
2/2 [==============================] - 0s 8ms/step
>10, 44/468, d=0.221, g=2.804
2/2 [==============================] - 0s 9ms/step
>10, 45/468, d=0.305, g=2.056
2/2 [==============================] - 0s 5ms/step
>10, 46/468, d=0.342, g=4.244
2/2 [==============================] - 0s 7ms/step
>10, 47/468, d=0.462, g=2.682
2/2 [==============================] - 0s 5ms/step
>10, 48/468, d=0.344, g=3.772
2/2 [==============================] - 0s 5ms/step
```

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>10, 49/468, d=0.327, g=3.508
2/2 [==============================] - 0s 5ms/step
>10, 50/468, d=0.318, g=2.562
2/2 [==============================] - 0s 5ms/step
>10, 51/468, d=0.336, g=2.719
2/2 [==============================] - 0s 5ms/step
>10, 52/468, d=0.207, g=3.406
2/2 [==============================] - 0s 8ms/step
>10, 53/468, d=0.153, g=2.803
2/2 [==============================] - 0s 11ms/step
>10, 54/468, d=0.263, g=2.092
2/2 [==============================] - 0s 10ms/step
>10, 55/468, d=0.189, g=2.433
2/2 [==============================] - 0s 8ms/step
>10, 56/468, d=0.209, g=4.150
2/2 [==============================] - 0s 5ms/step
>10, 57/468, d=0.357, g=5.180
2/2 [==============================] - 0s 10ms/step
>10, 58/468, d=0.283, g=2.928
2/2 [==============================] - 0s 8ms/step
>10, 59/468, d=0.269, g=2.817
2/2 [==============================] - 0s 12ms/step
>10, 60/468, d=0.246, g=2.893
2/2 [==============================] - 0s 7ms/step
>10, 61/468, d=0.326, g=0.312
2/2 [==============================] - 0s 14ms/step
>10, 62/468, d=0.256, g=1.483
2/2 [==============================] - 0s 9ms/step
>10, 63/468, d=0.286, g=3.150
2/2 [==============================] - 0s 5ms/step
>10, 64/468, d=0.304, g=5.314
2/2 [==============================] - 0s 11ms/step
>10, 65/468, d=0.349, g=5.591
2/2 [==============================] - 0s 4ms/step
>10, 66/468, d=0.393, g=4.240
2/2 [==============================] - 0s 7ms/step
>10, 67/468, d=0.397, g=1.964
2/2 [==============================] - 0s 5ms/step
>10, 68/468, d=0.334, g=2.827
2/2 [==============================] - 0s 12ms/step
>10, 69/468, d=0.301, g=1.066
2/2 [==============================] - 0s 6ms/step
>10, 70/468, d=0.291, g=1.765
2/2 [==============================] - 0s 14ms/step
>10, 71/468, d=0.212, g=3.880
2/2 [==============================] - 0s 12ms/step
>10, 72/468, d=0.361, g=3.640
2/2 [==============================] - 0s 9ms/step
>10, 73/468, d=0.232, g=5.016
2/2 [==============================] - 0s 6ms/step
>10, 74/468, d=0.236, g=4.071
2/2 [==============================] - 0s 7ms/step
>10, 75/468, d=0.289, g=5.130
2/2 [==============================] - 0s 9ms/step
>10, 76/468, d=0.292, g=3.060
2/2 [==============================] - 0s 7ms/step
>10, 77/468, d=0.294, g=4.451
2/2 [==============================] - 0s 10ms/step
>10, 78/468, d=0.350, g=1.911
2/2 [==============================] - 0s 9ms/step
>10, 79/468, d=0.253, g=1.887
2/2 [==============================] - 0s 6ms/step
>10, 80/468, d=0.269, g=1.673
2/2 [==============================] - 0s 18ms/step
```

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>10, 81/468, d=0.331, g=0.588
2/2 [==============================] - 0s 10ms/step
>10, 82/468, d=0.240, g=2.198
2/2 [==============================] - 0s 10ms/step
>10, 83/468, d=0.310, g=2.679
2/2 [==============================] - 0s 11ms/step
>10, 84/468, d=0.265, g=2.614
2/2 [==============================] - 0s 6ms/step
>10, 85/468, d=0.299, g=4.150
2/2 [==============================] - 0s 5ms/step
>10, 86/468, d=0.215, g=4.991
2/2 [==============================] - 0s 7ms/step
>10, 87/468, d=0.188, g=5.199
2/2 [==============================] - 0s 4ms/step
>10, 88/468, d=0.251, g=2.611
2/2 [==============================] - 0s 5ms/step
>10, 89/468, d=0.380, g=4.072
2/2 [==============================] - 0s 4ms/step
>10, 90/468, d=0.278, g=3.277
2/2 [==============================] - 0s 6ms/step
>10, 91/468, d=0.365, g=5.698
2/2 [==============================] - 0s 6ms/step
>10, 92/468, d=0.364, g=0.799
2/2 [==============================] - 0s 4ms/step
>10, 93/468, d=0.289, g=1.106
2/2 [==============================] - 0s 7ms/step
>10, 94/468, d=0.310, g=1.379
2/2 [==============================] - 0s 13ms/step
>10, 95/468, d=0.455, g=2.287
2/2 [==============================] - 0s 11ms/step
>10, 96/468, d=0.273, g=5.511
2/2 [==============================] - 0s 6ms/step
>10, 97/468, d=0.340, g=8.092
2/2 [==============================] - 0s 4ms/step
>10, 98/468, d=0.566, g=1.258
2/2 [==============================] - 0s 6ms/step
>10, 99/468, d=0.152, g=0.504
2/2 [==============================] - 0s 12ms/step
>10, 100/468, d=0.300, g=1.898
2/2 [==============================] - 0s 5ms/step
>10, 101/468, d=0.432, g=7.377
2/2 [==============================] - 0s 12ms/step
>10, 102/468, d=0.474, g=2.146
2/2 [==============================] - 0s 4ms/step
>10, 103/468, d=0.170, g=0.451
2/2 [==============================] - 0s 7ms/step
>10, 104/468, d=0.464, g=2.743
2/2 [==============================] - 0s 7ms/step
>10, 105/468, d=0.339, g=4.331
2/2 [==============================] - 0s 6ms/step
>10, 106/468, d=0.363, g=2.887
2/2 [==============================] - 0s 7ms/step
>10, 107/468, d=0.438, g=4.177
2/2 [==============================] - 0s 5ms/step
>10, 108/468, d=0.373, g=0.938
2/2 [==============================] - 0s 9ms/step
>10, 109/468, d=0.241, g=1.219
2/2 [==============================] - 0s 5ms/step
>10, 110/468, d=0.240, g=0.464
2/2 [==============================] - 0s 9ms/step
>10, 111/468, d=0.369, g=1.897
2/2 [==============================] - 0s 9ms/step
>10, 112/468, d=0.376, g=7.053
2/2 [==============================] - 0s 6ms/step
```

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>10, 113/468, d=0.380, g=7.342
2/2 [==============================] - 0s 12ms/step
>10, 114/468, d=0.417, g=8.851
2/2 [==============================] - 0s 5ms/step
>10, 115/468, d=0.549, g=2.092
2/2 [==============================] - 0s 4ms/step
>10, 116/468, d=0.288, g=1.232
2/2 [==============================] - 0s 19ms/step
>10, 117/468, d=0.270, g=3.049
2/2 [==============================] - 0s 7ms/step
>10, 118/468, d=0.194, g=2.722
2/2 [==============================] - 0s 8ms/step
>10, 119/468, d=0.252, g=2.568
2/2 [==============================] - 0s 9ms/step
>10, 120/468, d=0.320, g=4.490
2/2 [==============================] - 0s 5ms/step
>10, 121/468, d=0.316, g=6.541
2/2 [==============================] - 0s 9ms/step
>10, 122/468, d=0.352, g=5.303
2/2 [==============================] - 0s 6ms/step
>10, 123/468, d=0.333, g=2.749
2/2 [==============================] - 0s 12ms/step
>10, 124/468, d=0.416, g=5.664
2/2 [==============================] - 0s 6ms/step
>10, 125/468, d=0.347, g=3.930
2/2 [==============================] - 0s 5ms/step
>10, 126/468, d=0.224, g=2.700
2/2 [==============================] - 0s 4ms/step
>10, 127/468, d=0.332, g=5.377
2/2 [==============================] - 0s 4ms/step
>10, 128/468, d=0.318, g=5.515
2/2 [==============================] - 0s 5ms/step
>10, 129/468, d=0.319, g=1.516
2/2 [==============================] - 0s 10ms/step
>10, 130/468, d=0.341, g=2.949
2/2 [==============================] - 0s 10ms/step
>10, 131/468, d=0.334, g=1.475
2/2 [==============================] - 0s 8ms/step
>10, 132/468, d=0.378, g=3.014
2/2 [==============================] - 0s 7ms/step
>10, 133/468, d=0.345, g=1.594
2/2 [==============================] - 0s 8ms/step
>10, 134/468, d=0.251, g=3.432
2/2 [==============================] - 0s 8ms/step
>10, 135/468, d=0.189, g=2.952
2/2 [==============================] - 0s 6ms/step
>10, 136/468, d=0.234, g=3.356
2/2 [==============================] - 0s 6ms/step
>10, 137/468, d=0.421, g=4.317
2/2 [==============================] - 0s 9ms/step
>10, 138/468, d=0.345, g=3.171
2/2 [==============================] - 0s 6ms/step
>10, 139/468, d=0.300, g=2.650
2/2 [==============================] - 0s 11ms/step
>10, 140/468, d=0.238, g=5.295
2/2 [==============================] - 0s 8ms/step
>10, 141/468, d=0.319, g=3.007
2/2 [==============================] - 0s 4ms/step
>10, 142/468, d=0.295, g=3.746
2/2 [==============================] - 0s 5ms/step
>10, 143/468, d=0.235, g=5.300
2/2 [==============================] - 0s 6ms/step
>10, 144/468, d=0.479, g=1.646
2/2 [==============================] - 0s 4ms/step
```

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>10, 145/468, d=0.413, g=2.756
2/2 [==============================] - 0s 4ms/step
>10, 146/468, d=0.261, g=3.036
2/2 [==============================] - 0s 4ms/step
>10, 147/468, d=0.379, g=1.559
2/2 [==============================] - 0s 9ms/step
>10, 148/468, d=0.265, g=1.226
2/2 [==============================] - 0s 10ms/step
>10, 149/468, d=0.289, g=1.352
2/2 [==============================] - 0s 7ms/step
>10, 150/468, d=0.240, g=1.451
2/2 [==============================] - 0s 6ms/step
>10, 151/468, d=0.268, g=0.377
2/2 [==============================] - 0s 8ms/step
>10, 152/468, d=0.263, g=0.551
2/2 [==============================] - 0s 8ms/step
>10, 153/468, d=0.215, g=1.119
2/2 [==============================] - 0s 10ms/step
>10, 154/468, d=0.262, g=2.101
2/2 [==============================] - 0s 6ms/step
>10, 155/468, d=0.284, g=3.221
2/2 [==============================] - 0s 6ms/step
>10, 156/468, d=0.277, g=5.389
2/2 [==============================] - 0s 8ms/step
>10, 157/468, d=0.409, g=3.382
2/2 [==============================] - 0s 11ms/step
>10, 158/468, d=0.207, g=2.320
2/2 [==============================] - 0s 11ms/step
>10, 159/468, d=0.215, g=2.428
2/2 [==============================] - 0s 7ms/step
>10, 160/468, d=0.303, g=3.105
2/2 [==============================] - 0s 4ms/step
>10, 161/468, d=0.339, g=2.769
2/2 [==============================] - 0s 5ms/step
>10, 162/468, d=0.386, g=5.931
2/2 [==============================] - 0s 13ms/step
>10, 163/468, d=0.273, g=6.370
2/2 [==============================] - 0s 9ms/step
>10, 164/468, d=0.277, g=4.957
2/2 [==============================] - 0s 11ms/step
>10, 165/468, d=0.198, g=3.385
2/2 [==============================] - 0s 8ms/step
>10, 166/468, d=0.298, g=3.850
2/2 [==============================] - 0s 5ms/step
>10, 167/468, d=0.305, g=4.994
2/2 [==============================] - 0s 4ms/step
>10, 168/468, d=0.370, g=2.051
2/2 [==============================] - 0s 9ms/step
>10, 169/468, d=0.282, g=3.116
2/2 [==============================] - 0s 7ms/step
>10, 170/468, d=0.273, g=3.719
2/2 [==============================] - 0s 5ms/step
>10, 171/468, d=0.171, g=4.141
2/2 [==============================] - 0s 6ms/step
>10, 172/468, d=0.321, g=7.981
2/2 [==============================] - 0s 12ms/step
>10, 173/468, d=0.246, g=3.921
2/2 [==============================] - 0s 6ms/step
>10, 174/468, d=0.309, g=2.732
2/2 [==============================] - 0s 14ms/step
>10, 175/468, d=0.294, g=3.568
2/2 [==============================] - 0s 5ms/step
>10, 176/468, d=0.412, g=2.618
2/2 [==============================] - 0s 8ms/step
```

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>10, 177/468, d=0.259, g=3.750
2/2 [==============================] - 0s 13ms/step
>10, 178/468, d=0.409, g=4.681
2/2 [==============================] - 0s 5ms/step
>10, 179/468, d=0.299, g=6.506
2/2 [==============================] - 0s 7ms/step
>10, 180/468, d=0.299, g=3.689
2/2 [==============================] - 0s 10ms/step
>10, 181/468, d=0.274, g=3.137
2/2 [==============================] - 0s 6ms/step
>10, 182/468, d=0.346, g=2.106
2/2 [==============================] - 0s 6ms/step
>10, 183/468, d=0.267, g=0.489
2/2 [==============================] - 0s 10ms/step
>10, 184/468, d=0.182, g=0.830
2/2 [==============================] - 0s 6ms/step
>10, 185/468, d=0.347, g=4.501
2/2 [==============================] - 0s 6ms/step
>10, 186/468, d=0.253, g=6.322
2/2 [==============================] - 0s 5ms/step
>10, 187/468, d=0.294, g=5.213
2/2 [==============================] - 0s 5ms/step
>10, 188/468, d=0.293, g=5.330
2/2 [==============================] - 0s 6ms/step
>10, 189/468, d=0.246, g=3.907
2/2 [==============================] - 0s 7ms/step
>10, 190/468, d=0.314, g=4.529
2/2 [==============================] - 0s 4ms/step
>10, 191/468, d=0.240, g=1.925
2/2 [==============================] - 0s 7ms/step
>10, 192/468, d=0.159, g=1.473
2/2 [==============================] - 0s 12ms/step
>10, 193/468, d=0.238, g=2.743
2/2 [==============================] - 0s 6ms/step
>10, 194/468, d=0.279, g=5.538
2/2 [==============================] - 0s 5ms/step
>10, 195/468, d=0.248, g=3.338
2/2 [==============================] - 0s 7ms/step
>10, 196/468, d=0.236, g=1.376
2/2 [==============================] - 0s 8ms/step
>10, 197/468, d=0.364, g=2.204
2/2 [==============================] - 0s 8ms/step
>10, 198/468, d=0.322, g=4.920
2/2 [==============================] - 0s 9ms/step
>10, 199/468, d=0.360, g=2.761
2/2 [==============================] - 0s 5ms/step
>10, 200/468, d=0.330, g=2.836
2/2 [==============================] - 0s 5ms/step
>10, 201/468, d=0.301, g=8.419
2/2 [==============================] - 0s 9ms/step
>10, 202/468, d=0.446, g=3.801
2/2 [==============================] - 0s 5ms/step
>10, 203/468, d=0.321, g=4.438
2/2 [==============================] - 0s 10ms/step
>10, 204/468, d=0.260, g=4.921
2/2 [==============================] - 0s 6ms/step
>10, 205/468, d=0.189, g=2.109
2/2 [==============================] - 0s 5ms/step
>10, 206/468, d=0.202, g=3.685
2/2 [==============================] - 0s 7ms/step
>10, 207/468, d=0.290, g=3.200
2/2 [==============================] - 0s 12ms/step
>10, 208/468, d=0.247, g=1.991
2/2 [==============================] - 0s 6ms/step
```

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>10, 209/468, d=0.290, g=3.711
2/2 [==============================] - 0s 6ms/step
>10, 210/468, d=0.345, g=4.090
2/2 [==============================] - 0s 12ms/step
>10, 211/468, d=0.392, g=3.015
2/2 [==============================] - 0s 6ms/step
>10, 212/468, d=0.345, g=2.495
2/2 [==============================] - 0s 5ms/step
>10, 213/468, d=0.373, g=5.437
2/2 [==============================] - 0s 9ms/step
>10, 214/468, d=0.277, g=1.239
2/2 [==============================] - 0s 7ms/step
>10, 215/468, d=0.399, g=4.572
2/2 [==============================] - 0s 10ms/step
>10, 216/468, d=0.290, g=5.905
2/2 [==============================] - 0s 12ms/step
>10, 217/468, d=0.244, g=2.088
2/2 [==============================] - 0s 5ms/step
>10, 218/468, d=0.207, g=1.174
2/2 [==============================] - 0s 13ms/step
>10, 219/468, d=0.320, g=2.606
2/2 [==============================] - 0s 12ms/step
>10, 220/468, d=0.326, g=3.839
2/2 [==============================] - 0s 7ms/step
>10, 221/468, d=0.262, g=6.254
2/2 [==============================] - 0s 5ms/step
>10, 222/468, d=0.560, g=0.183
2/2 [==============================] - 0s 7ms/step
>10, 223/468, d=0.210, g=0.276
2/2 [==============================] - 0s 7ms/step
>10, 224/468, d=0.235, g=1.244
2/2 [==============================] - 0s 12ms/step
>10, 225/468, d=0.648, g=3.726
2/2 [==============================] - 0s 5ms/step
>10, 226/468, d=0.565, g=4.205
2/2 [==============================] - 0s 11ms/step
>10, 227/468, d=0.270, g=4.897
2/2 [==============================] - 0s 6ms/step
>10, 228/468, d=0.347, g=3.250
2/2 [==============================] - 0s 12ms/step
>10, 229/468, d=0.214, g=2.368
2/2 [==============================] - 0s 5ms/step
>10, 230/468, d=0.302, g=2.672
2/2 [==============================] - 0s 7ms/step
>10, 231/468, d=0.224, g=2.724
2/2 [==============================] - 0s 5ms/step
>10, 232/468, d=0.223, g=5.387
2/2 [==============================] - 0s 10ms/step
>10, 233/468, d=0.268, g=7.098
2/2 [==============================] - 0s 5ms/step
>10, 234/468, d=0.352, g=1.965
2/2 [==============================] - 0s 5ms/step
>10, 235/468, d=0.404, g=2.493
2/2 [==============================] - 0s 7ms/step
>10, 236/468, d=0.256, g=3.267
2/2 [==============================] - 0s 5ms/step
>10, 237/468, d=0.344, g=5.249
2/2 [==============================] - 0s 10ms/step
>10, 238/468, d=0.446, g=1.663
2/2 [==============================] - 0s 7ms/step
>10, 239/468, d=0.406, g=4.216
2/2 [==============================] - 0s 6ms/step
>10, 240/468, d=0.224, g=5.246
2/2 [==============================] - 0s 10ms/step
```

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>10, 241/468, d=0.256, g=4.498
2/2 [==============================] - 0s 6ms/step
>10, 242/468, d=0.298, g=2.604
2/2 [==============================] - 0s 5ms/step
>10, 243/468, d=0.492, g=3.341
2/2 [==============================] - 0s 4ms/step
>10, 244/468, d=0.332, g=1.062
2/2 [==============================] - 0s 8ms/step
>10, 245/468, d=0.342, g=3.359
2/2 [==============================] - 0s 11ms/step
>10, 246/468, d=0.246, g=1.781
2/2 [==============================] - 0s 6ms/step
>10, 247/468, d=0.322, g=1.633
2/2 [==============================] - 0s 9ms/step
>10, 248/468, d=0.272, g=4.322
2/2 [==============================] - 0s 12ms/step
>10, 249/468, d=0.208, g=3.706
2/2 [==============================] - 0s 4ms/step
>10, 250/468, d=0.317, g=2.145
2/2 [==============================] - 0s 6ms/step
>10, 251/468, d=0.317, g=2.351
2/2 [==============================] - 0s 8ms/step
>10, 252/468, d=0.366, g=4.122
2/2 [==============================] - 0s 5ms/step
>10, 253/468, d=0.225, g=4.252
2/2 [==============================] - 0s 6ms/step
>10, 254/468, d=0.252, g=4.516
2/2 [==============================] - 0s 7ms/step
>10, 255/468, d=0.334, g=2.248
2/2 [==============================] - 0s 6ms/step
>10, 256/468, d=0.344, g=3.075
2/2 [==============================] - 0s 5ms/step
>10, 257/468, d=0.213, g=2.643
2/2 [==============================] - 0s 6ms/step
>10, 258/468, d=0.296, g=4.211
2/2 [==============================] - 0s 12ms/step
>10, 259/468, d=0.261, g=3.474
2/2 [==============================] - 0s 4ms/step
>10, 260/468, d=0.234, g=3.201
2/2 [==============================] - 0s 4ms/step
>10, 261/468, d=0.307, g=1.866
2/2 [==============================] - 0s 6ms/step
>10, 262/468, d=0.252, g=2.012
2/2 [==============================] - 0s 5ms/step
>10, 263/468, d=0.242, g=3.852
2/2 [==============================] - 0s 4ms/step
>10, 264/468, d=0.301, g=1.112
2/2 [==============================] - 0s 8ms/step
>10, 265/468, d=0.207, g=1.072
2/2 [==============================] - 0s 5ms/step
>10, 266/468, d=0.335, g=4.511
2/2 [==============================] - 0s 6ms/step
>10, 267/468, d=0.305, g=4.620
2/2 [==============================] - 0s 7ms/step
>10, 268/468, d=0.321, g=2.160
2/2 [==============================] - 0s 6ms/step
>10, 269/468, d=0.318, g=2.060
2/2 [==============================] - 0s 6ms/step
>10, 270/468, d=0.234, g=3.961
2/2 [==============================] - 0s 6ms/step
>10, 271/468, d=0.345, g=1.631
2/2 [==============================] - 0s 7ms/step
>10, 272/468, d=0.294, g=3.292
2/2 [==============================] - 0s 10ms/step
```

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>10, 273/468, d=0.222, g=5.385
2/2 [==============================] - 0s 5ms/step
>10, 274/468, d=0.353, g=2.465
2/2 [==============================] - 0s 7ms/step
>10, 275/468, d=0.425, g=1.771
2/2 [==============================] - 0s 10ms/step
>10, 276/468, d=0.238, g=1.248
2/2 [==============================] - 0s 8ms/step
>10, 277/468, d=0.429, g=4.315
2/2 [==============================] - 0s 5ms/step
>10, 278/468, d=0.298, g=10.416
2/2 [==============================] - 0s 7ms/step
>10, 279/468, d=0.376, g=6.972
2/2 [==============================] - 0s 7ms/step
>10, 280/468, d=0.329, g=3.662
2/2 [==============================] - 0s 10ms/step
>10, 281/468, d=0.349, g=3.695
2/2 [==============================] - 0s 10ms/step
>10, 282/468, d=0.237, g=3.245
2/2 [==============================] - 0s 9ms/step
>10, 283/468, d=0.384, g=3.884
2/2 [==============================] - 0s 5ms/step
>10, 284/468, d=0.320, g=5.585
2/2 [==============================] - 0s 13ms/step
>10, 285/468, d=0.333, g=0.899
2/2 [==============================] - 0s 8ms/step
>10, 286/468, d=0.259, g=1.120
2/2 [==============================] - 0s 5ms/step
>10, 287/468, d=0.333, g=3.592
2/2 [==============================] - 0s 7ms/step
>10, 288/468, d=0.360, g=5.774
2/2 [==============================] - 0s 12ms/step
>10, 289/468, d=0.270, g=7.234
2/2 [==============================] - 0s 4ms/step
>10, 290/468, d=0.264, g=8.281
2/2 [==============================] - 0s 7ms/step
>10, 291/468, d=0.369, g=1.883
2/2 [==============================] - 0s 6ms/step
>10, 292/468, d=0.251, g=1.127
2/2 [==============================] - 0s 4ms/step
>10, 293/468, d=0.384, g=3.388
2/2 [==============================] - 0s 4ms/step
>10, 294/468, d=0.220, g=8.239
2/2 [==============================] - 0s 10ms/step
>10, 295/468, d=0.235, g=9.037
2/2 [==============================] - 0s 7ms/step
>10, 296/468, d=0.235, g=8.236
2/2 [==============================] - 0s 7ms/step
>10, 297/468, d=0.314, g=4.560
2/2 [==============================] - 0s 6ms/step
>10, 298/468, d=0.231, g=1.115
2/2 [==============================] - 0s 5ms/step
>10, 299/468, d=0.118, g=0.940
2/2 [==============================] - 0s 21ms/step
>10, 300/468, d=0.199, g=1.582
2/2 [==============================] - 0s 8ms/step
>10, 301/468, d=0.332, g=3.624
2/2 [==============================] - 0s 6ms/step
>10, 302/468, d=0.312, g=5.848
2/2 [==============================] - 0s 4ms/step
>10, 303/468, d=0.446, g=3.091
2/2 [==============================] - 0s 5ms/step
>10, 304/468, d=0.330, g=3.953
2/2 [==============================] - 0s 10ms/step
```

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>10, 305/468, d=0.315, g=2.699
2/2 [==============================] - 0s 9ms/step
>10, 306/468, d=0.287, g=2.628
2/2 [==============================] - 0s 5ms/step
>10, 307/468, d=0.282, g=6.094
2/2 [==============================] - 0s 6ms/step
>10, 308/468, d=0.285, g=5.290
2/2 [==============================] - 0s 7ms/step
>10, 309/468, d=0.415, g=3.389
2/2 [==============================] - 0s 6ms/step
>10, 310/468, d=0.248, g=3.115
2/2 [==============================] - 0s 5ms/step
>10, 311/468, d=0.242, g=1.067
2/2 [==============================] - 0s 5ms/step
>10, 312/468, d=0.291, g=1.605
2/2 [==============================] - 0s 6ms/step
>10, 313/468, d=0.432, g=5.023
2/2 [==============================] - 0s 5ms/step
>10, 314/468, d=0.492, g=5.033
2/2 [==============================] - 0s 14ms/step
>10, 315/468, d=0.232, g=2.114
2/2 [==============================] - 0s 6ms/step
>10, 316/468, d=0.247, g=1.553
2/2 [==============================] - 0s 9ms/step
>10, 317/468, d=0.329, g=0.359
2/2 [==============================] - 0s 6ms/step
>10, 318/468, d=0.210, g=0.260
2/2 [==============================] - 0s 14ms/step
>10, 319/468, d=0.294, g=1.149
2/2 [==============================] - 0s 7ms/step
>10, 320/468, d=0.305, g=3.041
2/2 [==============================] - 0s 12ms/step
>10, 321/468, d=0.316, g=5.426
2/2 [==============================] - 0s 8ms/step
>10, 322/468, d=0.231, g=4.594
2/2 [==============================] - 0s 5ms/step
>10, 323/468, d=0.305, g=4.039
2/2 [==============================] - 0s 5ms/step
>10, 324/468, d=0.254, g=5.172
2/2 [==============================] - 0s 6ms/step
>10, 325/468, d=0.327, g=1.071
2/2 [==============================] - 0s 7ms/step
>10, 326/468, d=0.308, g=1.846
2/2 [==============================] - 0s 5ms/step
>10, 327/468, d=0.320, g=4.401
2/2 [==============================] - 0s 7ms/step
>10, 328/468, d=0.349, g=5.568
2/2 [==============================] - 0s 6ms/step
>10, 329/468, d=0.234, g=6.351
2/2 [==============================] - 0s 9ms/step
>10, 330/468, d=0.194, g=6.912
2/2 [==============================] - 0s 9ms/step
>10, 331/468, d=0.297, g=3.659
2/2 [==============================] - 0s 5ms/step
>10, 332/468, d=0.470, g=2.014
2/2 [==============================] - 0s 9ms/step
>10, 333/468, d=0.307, g=2.607
2/2 [==============================] - 0s 6ms/step
>10, 334/468, d=0.228, g=3.339
2/2 [==============================] - 0s 9ms/step
>10, 335/468, d=0.394, g=2.316
2/2 [==============================] - 0s 10ms/step
>10, 336/468, d=0.334, g=4.237
2/2 [==============================] - 0s 5ms/step
```

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>10, 337/468, d=0.293, g=6.090
2/2 [==============================] - 0s 7ms/step
>10, 338/468, d=0.274, g=3.831
2/2 [==============================] - 0s 4ms/step
>10, 339/468, d=0.206, g=3.173
2/2 [==============================] - 0s 15ms/step
>10, 340/468, d=0.304, g=3.997
2/2 [==============================] - 0s 13ms/step
>10, 341/468, d=0.325, g=4.483
2/2 [==============================] - 0s 6ms/step
>10, 342/468, d=0.395, g=1.334
2/2 [==============================] - 0s 11ms/step
>10, 343/468, d=0.431, g=2.340
2/2 [==============================] - 0s 7ms/step
>10, 344/468, d=0.262, g=4.164
2/2 [==============================] - 0s 4ms/step
>10, 345/468, d=0.296, g=1.998
2/2 [==============================] - 0s 5ms/step
>10, 346/468, d=0.380, g=1.490
2/2 [==============================] - 0s 5ms/step
>10, 347/468, d=0.332, g=1.007
2/2 [==============================] - 0s 12ms/step
>10, 348/468, d=0.327, g=0.580
2/2 [==============================] - 0s 6ms/step
>10, 349/468, d=0.234, g=2.233
2/2 [==============================] - 0s 5ms/step
>10, 350/468, d=0.351, g=7.869
2/2 [==============================] - 0s 5ms/step
>10, 351/468, d=0.354, g=3.837
2/2 [==============================] - 0s 7ms/step
>10, 352/468, d=0.239, g=3.498
2/2 [==============================] - 0s 7ms/step
>10, 353/468, d=0.303, g=4.555
2/2 [==============================] - 0s 6ms/step
>10, 354/468, d=0.335, g=2.502
2/2 [==============================] - 0s 5ms/step
>10, 355/468, d=0.191, g=1.876
2/2 [==============================] - 0s 5ms/step
>10, 356/468, d=0.436, g=4.599
2/2 [==============================] - 0s 7ms/step
>10, 357/468, d=0.296, g=3.399
2/2 [==============================] - 0s 5ms/step
>10, 358/468, d=0.332, g=2.344
2/2 [==============================] - 0s 5ms/step
>10, 359/468, d=0.231, g=2.901
2/2 [==============================] - 0s 6ms/step
>10, 360/468, d=0.279, g=3.169
2/2 [==============================] - 0s 9ms/step
>10, 361/468, d=0.311, g=3.946
2/2 [==============================] - 0s 11ms/step
>10, 362/468, d=0.304, g=2.818
2/2 [==============================] - 0s 5ms/step
>10, 363/468, d=0.212, g=3.788
2/2 [==============================] - 0s 4ms/step
>10, 364/468, d=0.346, g=1.741
2/2 [==============================] - 0s 4ms/step
>10, 365/468, d=0.319, g=1.661
2/2 [==============================] - 0s 5ms/step
>10, 366/468, d=0.319, g=2.960
2/2 [==============================] - 0s 6ms/step
>10, 367/468, d=0.226, g=1.376
2/2 [==============================] - 0s 6ms/step
>10, 368/468, d=0.191, g=1.479
2/2 [==============================] - 0s 5ms/step
```

```
>10, 369/468, d=0.282, g=2.029
2/2 [==============================] - 0s 4ms/step
>10, 370/468, d=0.204, g=3.568
2/2 [==============================] - 0s 6ms/step
>10, 371/468, d=0.227, g=6.637
2/2 [==============================] - 0s 4ms/step
>10, 372/468, d=0.360, g=3.782
2/2 [==============================] - 0s 15ms/step
>10, 373/468, d=0.457, g=8.241
2/2 [==============================] - 0s 14ms/step
>10, 374/468, d=0.539, g=1.126
2/2 [==============================] - 0s 7ms/step
>10, 375/468, d=0.231, g=0.448
2/2 [==============================] - 0s 5ms/step
>10, 376/468, d=0.377, g=2.231
2/2 [==============================] - 0s 6ms/step
>10, 377/468, d=0.339, g=3.028
2/2 [==============================] - 0s 4ms/step
>10, 378/468, d=0.333, g=2.544
2/2 [==============================] - 0s 5ms/step
>10, 379/468, d=0.229, g=3.577
2/2 [==============================] - 0s 15ms/step
>10, 380/468, d=0.422, g=3.201
2/2 [==============================] - 0s 12ms/step
>10, 381/468, d=0.313, g=4.479
2/2 [==============================] - 0s 5ms/step
>10, 382/468, d=0.178, g=1.878
2/2 [==============================] - 0s 18ms/step
>10, 383/468, d=0.256, g=2.486
2/2 [==============================] - 0s 11ms/step
>10, 384/468, d=0.258, g=4.128
2/2 [==============================] - 0s 7ms/step
>10, 385/468, d=0.321, g=3.727
2/2 [==============================] - 0s 5ms/step
>10, 386/468, d=0.250, g=1.122
2/2 [==============================] - 0s 7ms/step
>10, 387/468, d=0.229, g=0.810
2/2 [==============================] - 0s 9ms/step
>10, 388/468, d=0.284, g=2.341
2/2 [==============================] - 0s 7ms/step
>10, 389/468, d=0.298, g=1.686
2/2 [==============================] - 0s 5ms/step
>10, 390/468, d=0.253, g=4.487
2/2 [==============================] - 0s 4ms/step
>10, 391/468, d=0.203, g=4.804
2/2 [==============================] - 0s 7ms/step
>10, 392/468, d=0.255, g=4.724
2/2 [==============================] - 0s 11ms/step
>10, 393/468, d=0.327, g=2.864
2/2 [==============================] - 0s 5ms/step
>10, 394/468, d=0.354, g=3.237
2/2 [==============================] - 0s 4ms/step
>10, 395/468, d=0.243, g=1.375
2/2 [==============================] - 0s 4ms/step
>10, 396/468, d=0.394, g=1.399
2/2 [==============================] - 0s 7ms/step
>10, 397/468, d=0.264, g=2.955
2/2 [==============================] - 0s 6ms/step
>10, 398/468, d=0.281, g=2.932
2/2 [==============================] - 0s 5ms/step
>10, 399/468, d=0.203, g=1.724
2/2 [==============================] - 0s 12ms/step
>10, 400/468, d=0.291, g=3.661
2/2 [==============================] - 0s 6ms/step
```

```
>10, 401/468, d=0.337, g=1.012
2/2 [==============================] - 0s 7ms/step
>10, 402/468, d=0.297, g=1.840
2/2 [==============================] - 0s 7ms/step
>10, 403/468, d=0.309, g=2.550
2/2 [==============================] - 0s 8ms/step
>10, 404/468, d=0.296, g=3.349
2/2 [==============================] - 0s 9ms/step
>10, 405/468, d=0.250, g=2.825
2/2 [==============================] - 0s 6ms/step
>10, 406/468, d=0.292, g=3.552
2/2 [==============================] - 0s 5ms/step
>10, 407/468, d=0.272, g=5.116
2/2 [==============================] - 0s 5ms/step
>10, 408/468, d=0.322, g=5.150
2/2 [==============================] - 0s 6ms/step
>10, 409/468, d=0.276, g=2.468
2/2 [==============================] - 0s 9ms/step
>10, 410/468, d=0.359, g=2.895
2/2 [==============================] - 0s 5ms/step
>10, 411/468, d=0.245, g=4.191
2/2 [==============================] - 0s 6ms/step
>10, 412/468, d=0.237, g=3.528
2/2 [==============================] - 0s 9ms/step
>10, 413/468, d=0.264, g=3.775
2/2 [==============================] - 0s 6ms/step
>10, 414/468, d=0.291, g=3.337
2/2 [==============================] - 0s 6ms/step
>10, 415/468, d=0.368, g=0.984
2/2 [==============================] - 0s 10ms/step
>10, 416/468, d=0.241, g=1.264
2/2 [==============================] - 0s 11ms/step
>10, 417/468, d=0.268, g=0.949
2/2 [==============================] - 0s 9ms/step
>10, 418/468, d=0.300, g=3.790
2/2 [==============================] - 0s 8ms/step
>10, 419/468, d=0.345, g=3.837
2/2 [==============================] - 0s 9ms/step
>10, 420/468, d=0.280, g=2.243
2/2 [==============================] - 0s 10ms/step
>10, 421/468, d=0.183, g=4.080
2/2 [==============================] - 0s 10ms/step
>10, 422/468, d=0.352, g=2.237
2/2 [==============================] - 0s 4ms/step
>10, 423/468, d=0.289, g=3.052
2/2 [==============================] - 0s 12ms/step
>10, 424/468, d=0.233, g=4.738
2/2 [==============================] - 0s 11ms/step
>10, 425/468, d=0.239, g=2.012
2/2 [==============================] - 0s 9ms/step
>10, 426/468, d=0.203, g=0.968
2/2 [==============================] - 0s 5ms/step
>10, 427/468, d=0.221, g=2.819
2/2 [==============================] - 0s 7ms/step
>10, 428/468, d=0.306, g=7.126
2/2 [==============================] - 0s 6ms/step
>10, 429/468, d=0.350, g=4.276
2/2 [==============================] - 0s 7ms/step
>10, 430/468, d=0.298, g=6.347
2/2 [==============================] - 0s 5ms/step
>10, 431/468, d=0.256, g=7.119
2/2 [==============================] - 0s 6ms/step
>10, 432/468, d=0.262, g=2.930
2/2 [==============================] - 0s 5ms/step
```

```
>10, 433/468, d=0.176, g=2.821
2/2 [==============================] - 0s 5ms/step
>10, 434/468, d=0.313, g=6.183
2/2 [==============================] - 0s 10ms/step
>10, 435/468, d=0.180, g=6.662
2/2 [==============================] - 0s 5ms/step
>10, 436/468, d=0.314, g=0.283
2/2 [==============================] - 0s 15ms/step
>10, 437/468, d=0.109, g=0.173
2/2 [==============================] - 0s 8ms/step
>10, 438/468, d=0.094, g=0.344
2/2 [==============================] - 0s 15ms/step
>10, 439/468, d=0.069, g=0.474
2/2 [==============================] - 0s 9ms/step
>10, 440/468, d=0.246, g=1.175
2/2 [==============================] - 0s 5ms/step
>10, 441/468, d=0.256, g=2.112
2/2 [==============================] - 0s 8ms/step
>10, 442/468, d=0.496, g=8.133
2/2 [==============================] - 0s 9ms/step
>10, 443/468, d=0.336, g=7.332
2/2 [==============================] - 0s 5ms/step
>10, 444/468, d=0.279, g=3.025
2/2 [==============================] - 0s 6ms/step
>10, 445/468, d=0.236, g=1.759
2/2 [==============================] - 0s 7ms/step
>10, 446/468, d=0.210, g=1.681
2/2 [==============================] - 0s 5ms/step
>10, 447/468, d=0.511, g=1.995
2/2 [==============================] - 0s 5ms/step
>10, 448/468, d=0.320, g=5.701
2/2 [==============================] - 0s 6ms/step
>10, 449/468, d=0.398, g=2.749
2/2 [==============================] - 0s 7ms/step
>10, 450/468, d=0.202, g=4.098
2/2 [==============================] - 0s 7ms/step
>10, 451/468, d=0.475, g=7.302
2/2 [==============================] - 0s 6ms/step
>10, 452/468, d=0.302, g=8.095
2/2 [==============================] - 0s 6ms/step
>10, 453/468, d=0.227, g=6.343
2/2 [==============================] - 0s 5ms/step
>10, 454/468, d=0.223, g=4.983
2/2 [==============================] - 0s 6ms/step
>10, 455/468, d=0.267, g=2.996
2/2 [==============================] - 0s 6ms/step
>10, 456/468, d=0.327, g=5.037
2/2 [==============================] - 0s 7ms/step
>10, 457/468, d=0.219, g=4.218
2/2 [==============================] - 0s 4ms/step
>10, 458/468, d=0.343, g=0.474
2/2 [==============================] - 0s 6ms/step
>10, 459/468, d=0.207, g=0.482
2/2 [==============================] - 0s 15ms/step
>10, 460/468, d=0.228, g=2.066
2/2 [==============================] - 0s 11ms/step
>10, 461/468, d=0.433, g=3.215
2/2 [==============================] - 0s 12ms/step
>10, 462/468, d=0.438, g=3.514
2/2 [==============================] - 0s 8ms/step
>10, 463/468, d=0.467, g=4.591
2/2 [==============================] - 0s 11ms/step
>10, 464/468, d=0.205, g=2.628
2/2 [==============================] - 0s 8ms/step
```

```
>10, 465/468, d=0.405, g=2.191
2/2 [==============================] - 0s 13ms/step
>10, 466/468, d=0.319, g=3.871
2/2 [==============================] - 0s 6ms/step
>10, 467/468, d=0.249, g=2.117
2/2 [==============================] - 0s 9ms/step
>10, 468/468, d=0.255, g=1.902
4/4 [==============================] - 0s 4ms/step
>Accuracy real: 90%, fake: 95%
```

```
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.
```

Se han truncado las últimas 5000 líneas del flujo de salida.

```
2/2 [==============================] - 0s 12ms/step
>15, 310/468, d=0.287, g=1.577
2/2 [==============================] - 0s 5ms/step
>15, 311/468, d=0.291, g=0.972
2/2 [==============================] - 0s 14ms/step
>15, 312/468, d=0.350, g=2.768
2/2 [==============================] - 0s 4ms/step
>15, 313/468, d=0.207, g=4.198
2/2 [==============================] - 0s 8ms/step
>15, 314/468, d=0.198, g=4.390
2/2 [==============================] - 0s 5ms/step
>15, 315/468, d=0.320, g=3.407
2/2 [==============================] - 0s 5ms/step
>15, 316/468, d=0.364, g=6.819
2/2 [==============================] - 0s 6ms/step
>15, 317/468, d=0.322, g=6.020
2/2 [==============================] - 0s 7ms/step
>15, 318/468, d=0.366, g=1.498
2/2 [==============================] - 0s 5ms/step
>15, 319/468, d=0.232, g=1.988
2/2 [==============================] - 0s 14ms/step
>15, 320/468, d=0.189, g=4.575
2/2 [==============================] - 0s 10ms/step
>15, 321/468, d=0.278, g=3.750
2/2 [==============================] - 0s 7ms/step
>15, 322/468, d=0.225, g=2.501
2/2 [==============================] - 0s 6ms/step
>15, 323/468, d=0.253, g=4.498
2/2 [==============================] - 0s 4ms/step
>15, 324/468, d=0.256, g=5.392
2/2 [==============================] - 0s 14ms/step
>15, 325/468, d=0.245, g=3.650
2/2 [==============================] - 0s 11ms/step
>15, 326/468, d=0.248, g=2.300
2/2 [==============================] - 0s 8ms/step
>15, 327/468, d=0.280, g=1.923
2/2 [==============================] - 0s 4ms/step
>15, 328/468, d=0.342, g=3.945
2/2 [==============================] - 0s 8ms/step
>15, 329/468, d=0.226, g=2.469
2/2 [==============================] - 0s 6ms/step
>15, 330/468, d=0.332, g=3.929
2/2 [==============================] - 0s 4ms/step
>15, 331/468, d=0.318, g=3.704
2/2 [==============================] - 0s 6ms/step
>15, 332/468, d=0.224, g=1.820
2/2 [==============================] - 0s 12ms/step
>15, 333/468, d=0.358, g=4.554
2/2 [==============================] - 0s 8ms/step
>15, 334/468, d=0.332, g=2.996
2/2 [==============================] - 0s 5ms/step
>15, 335/468, d=0.269, g=1.316
2/2 [==============================] - 0s 8ms/step
>15, 336/468, d=0.375, g=6.653
2/2 [==============================] - 0s 6ms/step
>15, 337/468, d=0.360, g=6.763
2/2 [==============================] - 0s 12ms/step
>15, 338/468, d=0.548, g=1.199
2/2 [==============================] - 0s 6ms/step
>15, 339/468, d=0.329, g=1.856
2/2 [==============================] - 0s 8ms/step
>15, 340/468, d=0.379, g=5.454
2/2 [==============================] - 0s 9ms/step
```

```
>15, 341/468, d=0.354, g=8.845
2/2 [==============================] - 0s 8ms/step
>15, 342/468, d=0.415, g=3.688
2/2 [==============================] - 0s 7ms/step
>15, 343/468, d=0.289, g=3.670
2/2 [==============================] - 0s 5ms/step
>15, 344/468, d=0.219, g=3.593
2/2 [==============================] - 0s 5ms/step
>15, 345/468, d=0.332, g=1.581
2/2 [==============================] - 0s 12ms/step
>15, 346/468, d=0.333, g=0.755
2/2 [==============================] - 0s 5ms/step
>15, 347/468, d=0.296, g=3.052
2/2 [==============================] - 0s 5ms/step
>15, 348/468, d=0.313, g=4.692
2/2 [==============================] - 0s 7ms/step
>15, 349/468, d=0.265, g=4.529
2/2 [==============================] - 0s 6ms/step
>15, 350/468, d=0.282, g=1.970
2/2 [==============================] - 0s 5ms/step
>15, 351/468, d=0.299, g=2.328
2/2 [==============================] - 0s 6ms/step
>15, 352/468, d=0.301, g=3.113
2/2 [==============================] - 0s 6ms/step
>15, 353/468, d=0.302, g=3.604
2/2 [==============================] - 0s 12ms/step
>15, 354/468, d=0.256, g=3.535
2/2 [==============================] - 0s 13ms/step
>15, 355/468, d=0.242, g=3.218
2/2 [==============================] - 0s 12ms/step
>15, 356/468, d=0.200, g=2.666
2/2 [==============================] - 0s 5ms/step
>15, 357/468, d=0.205, g=2.665
2/2 [==============================] - 0s 5ms/step
>15, 358/468, d=0.257, g=4.441
2/2 [==============================] - 0s 5ms/step
>15, 359/468, d=0.396, g=1.982
2/2 [==============================] - 0s 5ms/step
>15, 360/468, d=0.241, g=1.896
2/2 [==============================] - 0s 7ms/step
>15, 361/468, d=0.355, g=4.374
2/2 [==============================] - 0s 10ms/step
>15, 362/468, d=0.348, g=7.655
2/2 [==============================] - 0s 5ms/step
>15, 363/468, d=0.353, g=2.647
2/2 [==============================] - 0s 8ms/step
>15, 364/468, d=0.167, g=3.164
2/2 [==============================] - 0s 9ms/step
>15, 365/468, d=0.335, g=2.751
2/2 [==============================] - 0s 11ms/step
>15, 366/468, d=0.261, g=3.496
2/2 [==============================] - 0s 6ms/step
>15, 367/468, d=0.210, g=3.905
2/2 [==============================] - 0s 5ms/step
>15, 368/468, d=0.303, g=3.966
2/2 [==============================] - 0s 5ms/step
>15, 369/468, d=0.237, g=2.842
2/2 [==============================] - 0s 11ms/step
>15, 370/468, d=0.276, g=4.422
2/2 [==============================] - 0s 4ms/step
>15, 371/468, d=0.232, g=5.833
2/2 [==============================] - 0s 5ms/step
>15, 372/468, d=0.310, g=2.350
2/2 [==============================] - 0s 5ms/step
```

```
>15, 373/468, d=0.271, g=1.119
2/2 [==============================] - 0s 13ms/step
>15, 374/468, d=0.228, g=2.642
2/2 [==============================] - 0s 4ms/step
>15, 375/468, d=0.248, g=3.557
2/2 [==============================] - 0s 4ms/step
>15, 376/468, d=0.177, g=2.500
2/2 [==============================] - 0s 11ms/step
>15, 377/468, d=0.214, g=0.873
2/2 [==============================] - 0s 6ms/step
>15, 378/468, d=0.296, g=3.060
2/2 [==============================] - 0s 6ms/step
>15, 379/468, d=0.258, g=5.770
2/2 [==============================] - 0s 3ms/step
>15, 380/468, d=0.306, g=3.342
2/2 [==============================] - 0s 7ms/step
>15, 381/468, d=0.298, g=4.125
2/2 [==============================] - 0s 6ms/step
>15, 382/468, d=0.392, g=1.020
2/2 [==============================] - 0s 7ms/step
>15, 383/468, d=0.258, g=1.022
2/2 [==============================] - 0s 16ms/step
>15, 384/468, d=0.380, g=0.561
2/2 [==============================] - 0s 6ms/step
>15, 385/468, d=0.187, g=1.402
2/2 [==============================] - 0s 13ms/step
>15, 386/468, d=0.320, g=4.074
2/2 [==============================] - 0s 4ms/step
>15, 387/468, d=0.287, g=2.785
2/2 [==============================] - 0s 4ms/step
>15, 388/468, d=0.362, g=0.443
2/2 [==============================] - 0s 8ms/step
>15, 389/468, d=0.274, g=2.509
2/2 [==============================] - 0s 5ms/step
>15, 390/468, d=0.338, g=6.482
2/2 [==============================] - 0s 5ms/step
>15, 391/468, d=0.289, g=8.426
2/2 [==============================] - 0s 6ms/step
>15, 392/468, d=0.295, g=4.923
2/2 [==============================] - 0s 12ms/step
>15, 393/468, d=0.305, g=4.092
2/2 [==============================] - 0s 6ms/step
>15, 394/468, d=0.237, g=2.768
2/2 [==============================] - 0s 6ms/step
>15, 395/468, d=0.193, g=2.157
2/2 [==============================] - 0s 10ms/step
>15, 396/468, d=0.413, g=4.392
2/2 [==============================] - 0s 7ms/step
>15, 397/468, d=0.232, g=7.080
2/2 [==============================] - 0s 7ms/step
>15, 398/468, d=0.224, g=3.960
2/2 [==============================] - 0s 9ms/step
>15, 399/468, d=0.339, g=4.215
2/2 [==============================] - 0s 8ms/step
>15, 400/468, d=0.224, g=4.667
2/2 [==============================] - 0s 7ms/step
>15, 401/468, d=0.385, g=0.359
2/2 [==============================] - 0s 13ms/step
>15, 402/468, d=0.286, g=0.530
2/2 [==============================] - 0s 10ms/step
>15, 403/468, d=0.244, g=1.842
2/2 [==============================] - 0s 13ms/step
>15, 404/468, d=0.345, g=1.685
2/2 [==============================] - 0s 6ms/step
```

```
>15, 405/468, d=0.283, g=3.519
2/2 [==============================] - 0s 6ms/step
>15, 406/468, d=0.343, g=7.166
2/2 [==============================] - 0s 12ms/step
>15, 407/468, d=0.389, g=3.537
2/2 [==============================] - 0s 5ms/step
>15, 408/468, d=0.233, g=1.499
2/2 [==============================] - 0s 8ms/step
>15, 409/468, d=0.415, g=4.277
2/2 [==============================] - 0s 6ms/step
>15, 410/468, d=0.391, g=6.049
2/2 [==============================] - 0s 5ms/step
>15, 411/468, d=0.222, g=2.469
2/2 [==============================] - 0s 9ms/step
>15, 412/468, d=0.188, g=2.387
2/2 [==============================] - 0s 5ms/step
>15, 413/468, d=0.300, g=2.748
2/2 [==============================] - 0s 13ms/step
>15, 414/468, d=0.319, g=2.590
2/2 [==============================] - 0s 5ms/step
>15, 415/468, d=0.280, g=2.527
2/2 [==============================] - 0s 12ms/step
>15, 416/468, d=0.296, g=2.050
2/2 [==============================] - 0s 5ms/step
>15, 417/468, d=0.171, g=1.649
2/2 [==============================] - 0s 5ms/step
>15, 418/468, d=0.216, g=2.894
2/2 [==============================] - 0s 5ms/step
>15, 419/468, d=0.247, g=2.494
2/2 [==============================] - 0s 5ms/step
>15, 420/468, d=0.152, g=3.135
2/2 [==============================] - 0s 5ms/step
>15, 421/468, d=0.267, g=4.826
2/2 [==============================] - 0s 5ms/step
>15, 422/468, d=0.377, g=3.545
2/2 [==============================] - 0s 5ms/step
>15, 423/468, d=0.277, g=2.521
2/2 [==============================] - 0s 12ms/step
>15, 424/468, d=0.221, g=3.089
2/2 [==============================] - 0s 5ms/step
>15, 425/468, d=0.227, g=3.883
2/2 [==============================] - 0s 8ms/step
>15, 426/468, d=0.213, g=4.504
2/2 [==============================] - 0s 5ms/step
>15, 427/468, d=0.221, g=2.459
2/2 [==============================] - 0s 5ms/step
>15, 428/468, d=0.203, g=1.985
2/2 [==============================] - 0s 15ms/step
>15, 429/468, d=0.254, g=4.424
2/2 [==============================] - 0s 5ms/step
>15, 430/468, d=0.267, g=4.845
2/2 [==============================] - 0s 4ms/step
>15, 431/468, d=0.249, g=4.765
2/2 [==============================] - 0s 12ms/step
>15, 432/468, d=0.233, g=6.033
2/2 [==============================] - 0s 6ms/step
>15, 433/468, d=0.255, g=2.631
2/2 [==============================] - 0s 20ms/step
>15, 434/468, d=0.307, g=1.296
2/2 [==============================] - 0s 5ms/step
>15, 435/468, d=0.169, g=1.287
2/2 [==============================] - 0s 4ms/step
>15, 436/468, d=0.271, g=3.607
2/2 [==============================] - 0s 11ms/step
```

```
>15, 437/468, d=0.306, g=4.974
2/2 [==============================] - 0s 11ms/step
>15, 438/468, d=0.217, g=3.138
2/2 [==============================] - 0s 9ms/step
>15, 439/468, d=0.300, g=2.495
2/2 [==============================] - 0s 6ms/step
>15, 440/468, d=0.222, g=2.750
2/2 [==============================] - 0s 11ms/step
>15, 441/468, d=0.375, g=0.585
2/2 [==============================] - 0s 6ms/step
>15, 442/468, d=0.410, g=5.383
2/2 [==============================] - 0s 15ms/step
>15, 443/468, d=0.338, g=3.623
2/2 [==============================] - 0s 8ms/step
>15, 444/468, d=0.266, g=2.019
2/2 [==============================] - 0s 18ms/step
>15, 445/468, d=0.239, g=2.915
2/2 [==============================] - 0s 7ms/step
>15, 446/468, d=0.245, g=4.474
2/2 [==============================] - 0s 5ms/step
>15, 447/468, d=0.308, g=3.620
2/2 [==============================] - 0s 10ms/step
>15, 448/468, d=0.223, g=3.563
2/2 [==============================] - 0s 5ms/step
>15, 449/468, d=0.305, g=3.670
2/2 [==============================] - 0s 6ms/step
>15, 450/468, d=0.226, g=3.215
2/2 [==============================] - 0s 7ms/step
>15, 451/468, d=0.250, g=4.561
2/2 [==============================] - 0s 6ms/step
>15, 452/468, d=0.296, g=2.145
2/2 [==============================] - 0s 4ms/step
>15, 453/468, d=0.177, g=2.579
2/2 [==============================] - 0s 12ms/step
>15, 454/468, d=0.205, g=2.996
2/2 [==============================] - 0s 13ms/step
>15, 455/468, d=0.181, g=3.734
2/2 [==============================] - 0s 7ms/step
>15, 456/468, d=0.260, g=1.011
2/2 [==============================] - 0s 5ms/step
>15, 457/468, d=0.360, g=3.241
2/2 [==============================] - 0s 11ms/step
>15, 458/468, d=0.351, g=4.198
2/2 [==============================] - 0s 5ms/step
>15, 459/468, d=0.272, g=0.766
2/2 [==============================] - 0s 6ms/step
>15, 460/468, d=0.272, g=0.894
2/2 [==============================] - 0s 8ms/step
>15, 461/468, d=0.279, g=1.447
2/2 [==============================] - 0s 8ms/step
>15, 462/468, d=0.195, g=2.768
2/2 [==============================] - 0s 12ms/step
>15, 463/468, d=0.362, g=1.948
2/2 [==============================] - 0s 9ms/step
>15, 464/468, d=0.355, g=4.765
2/2 [==============================] - 0s 5ms/step
>15, 465/468, d=0.255, g=6.853
2/2 [==============================] - 0s 6ms/step
>15, 466/468, d=0.224, g=4.663
2/2 [==============================] - 0s 5ms/step
>15, 467/468, d=0.213, g=2.648
2/2 [==============================] - 0s 6ms/step
>15, 468/468, d=0.292, g=2.748
2/2 [==============================] - 0s 6ms/step
```

```
>16, 1/468, d=0.293, g=2.448
2/2 [==============================] - 0s 5ms/step
>16, 2/468, d=0.232, g=1.848
2/2 [==============================] - 0s 8ms/step
>16, 3/468, d=0.291, g=3.072
2/2 [==============================] - 0s 4ms/step
>16, 4/468, d=0.200, g=2.767
2/2 [==============================] - 0s 7ms/step
>16, 5/468, d=0.267, g=4.150
2/2 [==============================] - 0s 5ms/step
>16, 6/468, d=0.256, g=7.841
2/2 [==============================] - 0s 12ms/step
>16, 7/468, d=0.196, g=5.650
2/2 [==============================] - 0s 4ms/step
>16, 8/468, d=0.158, g=4.489
2/2 [==============================] - 0s 4ms/step
>16, 9/468, d=0.241, g=5.354
2/2 [==============================] - 0s 10ms/step
>16, 10/468, d=0.359, g=2.673
2/2 [==============================] - 0s 4ms/step
>16, 11/468, d=0.251, g=1.905
2/2 [==============================] - 0s 4ms/step
>16, 12/468, d=0.339, g=3.485
2/2 [==============================] - 0s 6ms/step
>16, 13/468, d=0.229, g=5.181
2/2 [==============================] - 0s 6ms/step
>16, 14/468, d=0.366, g=1.523
2/2 [==============================] - 0s 13ms/step
>16, 15/468, d=0.264, g=3.338
2/2 [==============================] - 0s 7ms/step
>16, 16/468, d=0.270, g=2.896
2/2 [==============================] - 0s 5ms/step
>16, 17/468, d=0.261, g=2.039
2/2 [==============================] - 0s 11ms/step
>16, 18/468, d=0.255, g=1.862
2/2 [==============================] - 0s 5ms/step
>16, 19/468, d=0.340, g=3.286
2/2 [==============================] - 0s 11ms/step
>16, 20/468, d=0.231, g=4.102
2/2 [==============================] - 0s 8ms/step
>16, 21/468, d=0.251, g=2.074
2/2 [==============================] - 0s 8ms/step
>16, 22/468, d=0.250, g=2.709
2/2 [==============================] - 0s 6ms/step
>16, 23/468, d=0.256, g=5.647
2/2 [==============================] - 0s 6ms/step
>16, 24/468, d=0.188, g=4.019
2/2 [==============================] - 0s 6ms/step
>16, 25/468, d=0.204, g=3.028
2/2 [==============================] - 0s 4ms/step
>16, 26/468, d=0.299, g=3.585
2/2 [==============================] - 0s 7ms/step
>16, 27/468, d=0.194, g=3.290
2/2 [==============================] - 0s 14ms/step
>16, 28/468, d=0.224, g=1.362
2/2 [==============================] - 0s 14ms/step
>16, 29/468, d=0.273, g=2.481
2/2 [==============================] - 0s 8ms/step
>16, 30/468, d=0.172, g=2.537
2/2 [==============================] - 0s 9ms/step
>16, 31/468, d=0.302, g=2.420
2/2 [==============================] - 0s 5ms/step
>16, 32/468, d=0.388, g=6.237
2/2 [==============================] - 0s 11ms/step
```

```
>16, 33/468, d=0.226, g=5.966
2/2 [==============================] - 0s 6ms/step
>16, 34/468, d=0.341, g=2.050
2/2 [==============================] - 0s 7ms/step
>16, 35/468, d=0.281, g=1.588
2/2 [==============================] - 0s 5ms/step
>16, 36/468, d=0.358, g=2.097
2/2 [==============================] - 0s 5ms/step
>16, 37/468, d=0.268, g=1.247
2/2 [==============================] - 0s 4ms/step
>16, 38/468, d=0.293, g=3.599
2/2 [==============================] - 0s 5ms/step
>16, 39/468, d=0.377, g=1.627
2/2 [==============================] - 0s 6ms/step
>16, 40/468, d=0.384, g=5.173
2/2 [==============================] - 0s 7ms/step
>16, 41/468, d=0.298, g=4.571
2/2 [==============================] - 0s 7ms/step
>16, 42/468, d=0.192, g=4.206
2/2 [==============================] - 0s 6ms/step
>16, 43/468, d=0.198, g=5.486
2/2 [==============================] - 0s 6ms/step
>16, 44/468, d=0.257, g=6.136
2/2 [==============================] - 0s 11ms/step
>16, 45/468, d=0.266, g=4.305
2/2 [==============================] - 0s 7ms/step
>16, 46/468, d=0.246, g=1.842
2/2 [==============================] - 0s 7ms/step
>16, 47/468, d=0.204, g=1.731
2/2 [==============================] - 0s 14ms/step
>16, 48/468, d=0.358, g=2.083
2/2 [==============================] - 0s 5ms/step
>16, 49/468, d=0.276, g=1.536
2/2 [==============================] - 0s 9ms/step
>16, 50/468, d=0.356, g=5.188
2/2 [==============================] - 0s 12ms/step
>16, 51/468, d=0.257, g=3.504
2/2 [==============================] - 0s 6ms/step
>16, 52/468, d=0.262, g=2.622
2/2 [==============================] - 0s 6ms/step
>16, 53/468, d=0.215, g=2.349
2/2 [==============================] - 0s 6ms/step
>16, 54/468, d=0.224, g=3.301
2/2 [==============================] - 0s 5ms/step
>16, 55/468, d=0.259, g=0.519
2/2 [==============================] - 0s 10ms/step
>16, 56/468, d=0.219, g=1.221
2/2 [==============================] - 0s 7ms/step
>16, 57/468, d=0.336, g=4.786
2/2 [==============================] - 0s 10ms/step
>16, 58/468, d=0.345, g=4.072
2/2 [==============================] - 0s 7ms/step
>16, 59/468, d=0.302, g=1.183
2/2 [==============================] - 0s 8ms/step
>16, 60/468, d=0.290, g=1.808
2/2 [==============================] - 0s 8ms/step
>16, 61/468, d=0.359, g=1.767
2/2 [==============================] - 0s 5ms/step
>16, 62/468, d=0.256, g=1.332
2/2 [==============================] - 0s 10ms/step
>16, 63/468, d=0.357, g=4.184
2/2 [==============================] - 0s 6ms/step
>16, 64/468, d=0.336, g=6.621
2/2 [==============================] - 0s 8ms/step
```

```
>16, 65/468, d=0.480, g=6.540
2/2 [==============================] - 0s 9ms/step
>16, 66/468, d=0.313, g=6.098
2/2 [==============================] - 0s 5ms/step
>16, 67/468, d=0.204, g=5.766
2/2 [==============================] - 0s 13ms/step
>16, 68/468, d=0.445, g=3.948
2/2 [==============================] - 0s 6ms/step
>16, 69/468, d=0.229, g=3.334
2/2 [==============================] - 0s 8ms/step
>16, 70/468, d=0.281, g=3.401
2/2 [==============================] - 0s 6ms/step
>16, 71/468, d=0.254, g=1.572
2/2 [==============================] - 0s 8ms/step
>16, 72/468, d=0.263, g=1.039
2/2 [==============================] - 0s 6ms/step
>16, 73/468, d=0.194, g=1.189
2/2 [==============================] - 0s 5ms/step
>16, 74/468, d=0.323, g=3.571
2/2 [==============================] - 0s 8ms/step
>16, 75/468, d=0.261, g=4.264
2/2 [==============================] - 0s 15ms/step
>16, 76/468, d=0.318, g=0.932
2/2 [==============================] - 0s 9ms/step
>16, 77/468, d=0.342, g=3.934
2/2 [==============================] - 0s 6ms/step
>16, 78/468, d=0.221, g=4.747
2/2 [==============================] - 0s 5ms/step
>16, 79/468, d=0.257, g=3.275
2/2 [==============================] - 0s 11ms/step
>16, 80/468, d=0.222, g=4.091
2/2 [==============================] - 0s 5ms/step
>16, 81/468, d=0.251, g=2.340
2/2 [==============================] - 0s 15ms/step
>16, 82/468, d=0.362, g=3.240
2/2 [==============================] - 0s 13ms/step
>16, 83/468, d=0.237, g=4.794
2/2 [==============================] - 0s 8ms/step
>16, 84/468, d=0.227, g=1.643
2/2 [==============================] - 0s 11ms/step
>16, 85/468, d=0.264, g=0.969
2/2 [==============================] - 0s 4ms/step
>16, 86/468, d=0.272, g=1.203
2/2 [==============================] - 0s 8ms/step
>16, 87/468, d=0.379, g=6.824
2/2 [==============================] - 0s 6ms/step
>16, 88/468, d=0.253, g=2.626
2/2 [==============================] - 0s 5ms/step
>16, 89/468, d=0.210, g=0.777
2/2 [==============================] - 0s 7ms/step
>16, 90/468, d=0.221, g=1.253
2/2 [==============================] - 0s 7ms/step
>16, 91/468, d=0.328, g=1.368
2/2 [==============================] - 0s 5ms/step
>16, 92/468, d=0.341, g=3.236
2/2 [==============================] - 0s 7ms/step
>16, 93/468, d=0.276, g=1.982
2/2 [==============================] - 0s 4ms/step
>16, 94/468, d=0.208, g=2.679
2/2 [==============================] - 0s 12ms/step
>16, 95/468, d=0.183, g=4.736
2/2 [==============================] - 0s 6ms/step
>16, 96/468, d=0.312, g=2.868
2/2 [==============================] - 0s 4ms/step
```

```
>16, 97/468, d=0.372, g=3.219
2/2 [==============================] - 0s 4ms/step
>16, 98/468, d=0.185, g=2.509
2/2 [==============================] - 0s 4ms/step
>16, 99/468, d=0.365, g=4.388
2/2 [==============================] - 0s 7ms/step
>16, 100/468, d=0.322, g=5.170
2/2 [==============================] - 0s 5ms/step
>16, 101/468, d=0.239, g=5.241
2/2 [==============================] - 0s 6ms/step
>16, 102/468, d=0.229, g=1.901
2/2 [==============================] - 0s 6ms/step
>16, 103/468, d=0.260, g=2.547
2/2 [==============================] - 0s 13ms/step
>16, 104/468, d=0.306, g=3.474
2/2 [==============================] - 0s 9ms/step
>16, 105/468, d=0.325, g=5.437
2/2 [==============================] - 0s 6ms/step
>16, 106/468, d=0.370, g=3.076
2/2 [==============================] - 0s 5ms/step
>16, 107/468, d=0.297, g=1.047
2/2 [==============================] - 0s 13ms/step
>16, 108/468, d=0.208, g=2.706
2/2 [==============================] - 0s 11ms/step
>16, 109/468, d=0.357, g=2.357
2/2 [==============================] - 0s 8ms/step
>16, 110/468, d=0.346, g=9.229
2/2 [==============================] - 0s 6ms/step
>16, 111/468, d=0.387, g=5.960
2/2 [==============================] - 0s 7ms/step
>16, 112/468, d=0.138, g=4.135
2/2 [==============================] - 0s 5ms/step
>16, 113/468, d=0.196, g=3.556
2/2 [==============================] - 0s 5ms/step
>16, 114/468, d=0.318, g=5.964
2/2 [==============================] - 0s 5ms/step
>16, 115/468, d=0.337, g=5.083
2/2 [==============================] - 0s 5ms/step
>16, 116/468, d=0.296, g=1.462
2/2 [==============================] - 0s 5ms/step
>16, 117/468, d=0.353, g=1.214
2/2 [==============================] - 0s 8ms/step
>16, 118/468, d=0.259, g=1.503
2/2 [==============================] - 0s 6ms/step
>16, 119/468, d=0.219, g=3.160
2/2 [==============================] - 0s 7ms/step
>16, 120/468, d=0.176, g=1.681
2/2 [==============================] - 0s 7ms/step
>16, 121/468, d=0.294, g=1.428
2/2 [==============================] - 0s 11ms/step
>16, 122/468, d=0.273, g=1.159
2/2 [==============================] - 0s 11ms/step
>16, 123/468, d=0.408, g=3.595
2/2 [==============================] - 0s 12ms/step
>16, 124/468, d=0.205, g=7.909
2/2 [==============================] - 0s 8ms/step
>16, 125/468, d=0.486, g=2.157
2/2 [==============================] - 0s 7ms/step
>16, 126/468, d=0.217, g=1.930
2/2 [==============================] - 0s 8ms/step
>16, 127/468, d=0.371, g=4.311
2/2 [==============================] - 0s 11ms/step
>16, 128/468, d=0.417, g=3.265
2/2 [==============================] - 0s 6ms/step
```

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>16, 129/468, d=0.336, g=2.044
2/2 [==============================] - 0s 8ms/step
>16, 130/468, d=0.250, g=3.255
2/2 [==============================] - 0s 5ms/step
>16, 131/468, d=0.199, g=2.913
2/2 [==============================] - 0s 9ms/step
>16, 132/468, d=0.276, g=2.030
2/2 [==============================] - 0s 5ms/step
>16, 133/468, d=0.250, g=2.802
2/2 [==============================] - 0s 7ms/step
>16, 134/468, d=0.175, g=3.578
2/2 [==============================] - 0s 15ms/step
>16, 135/468, d=0.174, g=3.321
2/2 [==============================] - 0s 5ms/step
>16, 136/468, d=0.289, g=2.948
2/2 [==============================] - 0s 14ms/step
>16, 137/468, d=0.282, g=2.651
2/2 [==============================] - 0s 6ms/step
>16, 138/468, d=0.245, g=1.755
2/2 [==============================] - 0s 4ms/step
>16, 139/468, d=0.259, g=3.737
2/2 [==============================] - 0s 6ms/step
>16, 140/468, d=0.233, g=3.889
2/2 [==============================] - 0s 9ms/step
>16, 141/468, d=0.247, g=7.805
2/2 [==============================] - 0s 9ms/step
>16, 142/468, d=0.206, g=5.373
2/2 [==============================] - 0s 5ms/step
>16, 143/468, d=0.137, g=3.225
2/2 [==============================] - 0s 14ms/step
>16, 144/468, d=0.285, g=3.529
2/2 [==============================] - 0s 12ms/step
>16, 145/468, d=0.294, g=3.465
2/2 [==============================] - 0s 5ms/step
>16, 146/468, d=0.292, g=2.203
2/2 [==============================] - 0s 9ms/step
>16, 147/468, d=0.241, g=3.328
2/2 [==============================] - 0s 9ms/step
>16, 148/468, d=0.227, g=5.133
2/2 [==============================] - 0s 5ms/step
>16, 149/468, d=0.237, g=3.987
2/2 [==============================] - 0s 5ms/step
>16, 150/468, d=0.231, g=4.621
2/2 [==============================] - 0s 6ms/step
>16, 151/468, d=0.223, g=1.577
2/2 [==============================] - 0s 15ms/step
>16, 152/468, d=0.280, g=1.984
2/2 [==============================] - 0s 4ms/step
>16, 153/468, d=0.228, g=4.936
2/2 [==============================] - 0s 6ms/step
>16, 154/468, d=0.206, g=2.494
2/2 [==============================] - 0s 8ms/step
>16, 155/468, d=0.188, g=1.756
2/2 [==============================] - 0s 5ms/step
>16, 156/468, d=0.145, g=1.594
2/2 [==============================] - 0s 6ms/step
>16, 157/468, d=0.262, g=5.260
2/2 [==============================] - 0s 15ms/step
>16, 158/468, d=0.203, g=7.621
2/2 [==============================] - 0s 5ms/step
>16, 159/468, d=0.163, g=6.604
2/2 [==============================] - 0s 5ms/step
>16, 160/468, d=0.115, g=4.260
2/2 [==============================] - 0s 12ms/step
```

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>16, 161/468, d=0.211, g=3.789
2/2 [==============================] - 0s 4ms/step
>16, 162/468, d=0.209, g=5.217
2/2 [==============================] - 0s 4ms/step
>16, 163/468, d=0.253, g=4.105
2/2 [==============================] - 0s 13ms/step
>16, 164/468, d=0.306, g=1.632
2/2 [==============================] - 0s 6ms/step
>16, 165/468, d=0.173, g=1.891
2/2 [==============================] - 0s 12ms/step
>16, 166/468, d=0.260, g=2.580
2/2 [==============================] - 0s 9ms/step
>16, 167/468, d=0.230, g=5.063
2/2 [==============================] - 0s 12ms/step
>16, 168/468, d=0.231, g=4.996
2/2 [==============================] - 0s 8ms/step
>16, 169/468, d=0.259, g=4.339
2/2 [==============================] - 0s 6ms/step
>16, 170/468, d=0.198, g=2.989
2/2 [==============================] - 0s 6ms/step
>16, 171/468, d=0.337, g=2.612
2/2 [==============================] - 0s 11ms/step
>16, 172/468, d=0.257, g=3.133
2/2 [==============================] - 0s 11ms/step
>16, 173/468, d=0.201, g=2.076
2/2 [==============================] - 0s 13ms/step
>16, 174/468, d=0.252, g=2.323
2/2 [==============================] - 0s 6ms/step
>16, 175/468, d=0.149, g=1.593
2/2 [==============================] - 0s 5ms/step
>16, 176/468, d=0.239, g=0.984
2/2 [==============================] - 0s 5ms/step
>16, 177/468, d=0.294, g=4.279
2/2 [==============================] - 0s 12ms/step
>16, 178/468, d=0.231, g=7.015
2/2 [==============================] - 0s 4ms/step
>16, 179/468, d=0.196, g=6.201
2/2 [==============================] - 0s 4ms/step
>16, 180/468, d=0.264, g=3.367
2/2 [==============================] - 0s 10ms/step
>16, 181/468, d=0.264, g=3.169
2/2 [==============================] - 0s 6ms/step
>16, 182/468, d=0.287, g=5.945
2/2 [==============================] - 0s 5ms/step
>16, 183/468, d=0.243, g=5.517
2/2 [==============================] - 0s 6ms/step
>16, 184/468, d=0.378, g=6.403
2/2 [==============================] - 0s 5ms/step
>16, 185/468, d=0.174, g=4.765
2/2 [==============================] - 0s 5ms/step
>16, 186/468, d=0.360, g=4.047
2/2 [==============================] - 0s 8ms/step
>16, 187/468, d=0.231, g=1.962
2/2 [==============================] - 0s 5ms/step
>16, 188/468, d=0.362, g=1.466
2/2 [==============================] - 0s 10ms/step
>16, 189/468, d=0.308, g=0.738
2/2 [==============================] - 0s 12ms/step
>16, 190/468, d=0.357, g=0.790
2/2 [==============================] - 0s 8ms/step
>16, 191/468, d=0.260, g=2.379
2/2 [==============================] - 0s 5ms/step
>16, 192/468, d=0.200, g=0.791
2/2 [==============================] - 0s 9ms/step
```

```
>16, 193/468, d=0.203, g=1.446
2/2 [==============================] - 0s 9ms/step
>16, 194/468, d=0.167, g=2.129
2/2 [==============================] - 0s 12ms/step
>16, 195/468, d=0.287, g=3.804
2/2 [==============================] - 0s 4ms/step
>16, 196/468, d=0.300, g=4.947
2/2 [==============================] - 0s 6ms/step
>16, 197/468, d=0.289, g=3.349
2/2 [==============================] - 0s 7ms/step
>16, 198/468, d=0.213, g=1.546
2/2 [==============================] - 0s 7ms/step
>16, 199/468, d=0.177, g=1.756
2/2 [==============================] - 0s 4ms/step
>16, 200/468, d=0.305, g=3.309
2/2 [==============================] - 0s 5ms/step
>16, 201/468, d=0.201, g=4.714
2/2 [==============================] - 0s 8ms/step
>16, 202/468, d=0.315, g=2.923
2/2 [==============================] - 0s 6ms/step
>16, 203/468, d=0.232, g=2.156
2/2 [==============================] - 0s 4ms/step
>16, 204/468, d=0.310, g=6.191
2/2 [==============================] - 0s 7ms/step
>16, 205/468, d=0.343, g=5.843
2/2 [==============================] - 0s 8ms/step
>16, 206/468, d=0.241, g=4.146
2/2 [==============================] - 0s 11ms/step
>16, 207/468, d=0.230, g=3.196
2/2 [==============================] - 0s 10ms/step
>16, 208/468, d=0.373, g=4.545
2/2 [==============================] - 0s 6ms/step
>16, 209/468, d=0.258, g=1.725
2/2 [==============================] - 0s 10ms/step
>16, 210/468, d=0.383, g=1.926
2/2 [==============================] - 0s 5ms/step
>16, 211/468, d=0.322, g=3.607
2/2 [==============================] - 0s 5ms/step
>16, 212/468, d=0.312, g=3.912
2/2 [==============================] - 0s 7ms/step
>16, 213/468, d=0.301, g=1.945
2/2 [==============================] - 0s 8ms/step
>16, 214/468, d=0.286, g=3.146
2/2 [==============================] - 0s 8ms/step
>16, 215/468, d=0.342, g=5.342
2/2 [==============================] - 0s 8ms/step
>16, 216/468, d=0.258, g=3.701
2/2 [==============================] - 0s 4ms/step
>16, 217/468, d=0.296, g=3.122
2/2 [==============================] - 0s 15ms/step
>16, 218/468, d=0.298, g=2.589
2/2 [==============================] - 0s 15ms/step
>16, 219/468, d=0.263, g=0.908
2/2 [==============================] - 0s 6ms/step
>16, 220/468, d=0.358, g=1.314
2/2 [==============================] - 0s 9ms/step
>16, 221/468, d=0.315, g=3.380
2/2 [==============================] - 0s 6ms/step
>16, 222/468, d=0.145, g=2.934
2/2 [==============================] - 0s 5ms/step
>16, 223/468, d=0.162, g=1.359
2/2 [==============================] - 0s 9ms/step
>16, 224/468, d=0.223, g=1.318
2/2 [==============================] - 0s 17ms/step
```

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>16, 225/468, d=0.276, g=1.903
2/2 [==============================] - 0s 7ms/step
>16, 226/468, d=0.373, g=1.794
2/2 [==============================] - 0s 13ms/step
>16, 227/468, d=0.250, g=3.621
2/2 [==============================] - 0s 6ms/step
>16, 228/468, d=0.311, g=3.495
2/2 [==============================] - 0s 10ms/step
>16, 229/468, d=0.229, g=3.478
2/2 [==============================] - 0s 12ms/step
>16, 230/468, d=0.246, g=3.759
2/2 [==============================] - 0s 6ms/step
>16, 231/468, d=0.219, g=3.077
2/2 [==============================] - 0s 4ms/step
>16, 232/468, d=0.183, g=4.147
2/2 [==============================] - 0s 12ms/step
>16, 233/468, d=0.193, g=4.828
2/2 [==============================] - 0s 14ms/step
>16, 234/468, d=0.179, g=3.948
2/2 [==============================] - 0s 6ms/step
>16, 235/468, d=0.354, g=5.137
2/2 [==============================] - 0s 6ms/step
>16, 236/468, d=0.300, g=2.302
2/2 [==============================] - 0s 6ms/step
>16, 237/468, d=0.233, g=3.288
2/2 [==============================] - 0s 6ms/step
>16, 238/468, d=0.228, g=2.799
2/2 [==============================] - 0s 4ms/step
>16, 239/468, d=0.253, g=3.784
2/2 [==============================] - 0s 8ms/step
>16, 240/468, d=0.302, g=5.173
2/2 [==============================] - 0s 10ms/step
>16, 241/468, d=0.330, g=5.069
2/2 [==============================] - 0s 8ms/step
>16, 242/468, d=0.236, g=2.822
2/2 [==============================] - 0s 8ms/step
>16, 243/468, d=0.172, g=2.905
2/2 [==============================] - 0s 5ms/step
>16, 244/468, d=0.306, g=2.764
2/2 [==============================] - 0s 11ms/step
>16, 245/468, d=0.218, g=1.910
2/2 [==============================] - 0s 8ms/step
>16, 246/468, d=0.200, g=1.238
2/2 [==============================] - 0s 14ms/step
>16, 247/468, d=0.195, g=2.033
2/2 [==============================] - 0s 7ms/step
>16, 248/468, d=0.189, g=1.838
2/2 [==============================] - 0s 4ms/step
>16, 249/468, d=0.228, g=1.421
2/2 [==============================] - 0s 7ms/step
>16, 250/468, d=0.322, g=1.719
2/2 [==============================] - 0s 5ms/step
>16, 251/468, d=0.251, g=2.006
2/2 [==============================] - 0s 9ms/step
>16, 252/468, d=0.191, g=1.855
2/2 [==============================] - 0s 5ms/step
>16, 253/468, d=0.350, g=3.177
2/2 [==============================] - 0s 5ms/step
>16, 254/468, d=0.209, g=1.640
2/2 [==============================] - 0s 5ms/step
>16, 255/468, d=0.201, g=4.161
2/2 [==============================] - 0s 5ms/step
>16, 256/468, d=0.243, g=8.185
2/2 [==============================] - 0s 5ms/step
```

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>16, 257/468, d=0.411, g=1.799
2/2 [==============================] - 0s 5ms/step
>16, 258/468, d=0.191, g=0.611
2/2 [==============================] - 0s 5ms/step
>16, 259/468, d=0.309, g=0.939
2/2 [==============================] - 0s 5ms/step
>16, 260/468, d=0.327, g=2.108
2/2 [==============================] - 0s 5ms/step
>16, 261/468, d=0.284, g=3.563
2/2 [==============================] - 0s 5ms/step
>16, 262/468, d=0.325, g=11.623
2/2 [==============================] - 0s 4ms/step
>16, 263/468, d=0.290, g=7.081
2/2 [==============================] - 0s 5ms/step
>16, 264/468, d=0.143, g=4.814
2/2 [==============================] - 0s 5ms/step
>16, 265/468, d=0.261, g=7.153
2/2 [==============================] - 0s 7ms/step
>16, 266/468, d=0.180, g=8.384
2/2 [==============================] - 0s 7ms/step
>16, 267/468, d=0.360, g=8.611
2/2 [==============================] - 0s 4ms/step
>16, 268/468, d=0.198, g=6.890
2/2 [==============================] - 0s 12ms/step
>16, 269/468, d=0.271, g=5.475
2/2 [==============================] - 0s 5ms/step
>16, 270/468, d=0.200, g=3.149
2/2 [==============================] - 0s 15ms/step
>16, 271/468, d=0.198, g=2.654
2/2 [==============================] - 0s 5ms/step
>16, 272/468, d=0.376, g=5.920
2/2 [==============================] - 0s 14ms/step
>16, 273/468, d=0.277, g=4.196
2/2 [==============================] - 0s 6ms/step
>16, 274/468, d=0.356, g=1.449
2/2 [==============================] - 0s 7ms/step
>16, 275/468, d=0.318, g=1.844
2/2 [==============================] - 0s 4ms/step
>16, 276/468, d=0.225, g=1.542
2/2 [==============================] - 0s 14ms/step
>16, 277/468, d=0.305, g=0.997
2/2 [==============================] - 0s 11ms/step
>16, 278/468, d=0.272, g=4.982
2/2 [==============================] - 0s 8ms/step
>16, 279/468, d=0.334, g=2.429
2/2 [==============================] - 0s 6ms/step
>16, 280/468, d=0.254, g=2.408
2/2 [==============================] - 0s 7ms/step
>16, 281/468, d=0.194, g=2.934
2/2 [==============================] - 0s 6ms/step
>16, 282/468, d=0.226, g=2.163
2/2 [==============================] - 0s 7ms/step
>16, 283/468, d=0.223, g=3.086
2/2 [==============================] - 0s 14ms/step
>16, 284/468, d=0.238, g=5.536
2/2 [==============================] - 0s 5ms/step
>16, 285/468, d=0.299, g=3.213
2/2 [==============================] - 0s 8ms/step
>16, 286/468, d=0.351, g=6.286
2/2 [==============================] - 0s 11ms/step
>16, 287/468, d=0.288, g=5.977
2/2 [==============================] - 0s 15ms/step
>16, 288/468, d=0.288, g=6.427
2/2 [==============================] - 0s 6ms/step
```

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>16, 289/468, d=0.363, g=4.804
2/2 [==============================] - 0s 5ms/step
>16, 290/468, d=0.468, g=3.621
2/2 [==============================] - 0s 7ms/step
>16, 291/468, d=0.222, g=3.377
2/2 [==============================] - 0s 7ms/step
>16, 292/468, d=0.474, g=5.711
2/2 [==============================] - 0s 9ms/step
>16, 293/468, d=0.247, g=3.598
2/2 [==============================] - 0s 11ms/step
>16, 294/468, d=0.275, g=1.623
2/2 [==============================] - 0s 6ms/step
>16, 295/468, d=0.219, g=2.176
2/2 [==============================] - 0s 7ms/step
>16, 296/468, d=0.314, g=1.266
2/2 [==============================] - 0s 7ms/step
>16, 297/468, d=0.300, g=3.434
2/2 [==============================] - 0s 5ms/step
>16, 298/468, d=0.283, g=4.537
2/2 [==============================] - 0s 5ms/step
>16, 299/468, d=0.270, g=1.049
2/2 [==============================] - 0s 8ms/step
>16, 300/468, d=0.314, g=0.427
2/2 [==============================] - 0s 11ms/step
>16, 301/468, d=0.207, g=1.530
2/2 [==============================] - 0s 6ms/step
>16, 302/468, d=0.255, g=1.163
2/2 [==============================] - 0s 12ms/step
>16, 303/468, d=0.251, g=1.850
2/2 [==============================] - 0s 6ms/step
>16, 304/468, d=0.275, g=3.358
2/2 [==============================] - 0s 7ms/step
>16, 305/468, d=0.243, g=3.647
2/2 [==============================] - 0s 6ms/step
>16, 306/468, d=0.272, g=3.114
2/2 [==============================] - 0s 7ms/step
>16, 307/468, d=0.290, g=2.506
2/2 [==============================] - 0s 11ms/step
>16, 308/468, d=0.362, g=4.081
2/2 [==============================] - 0s 5ms/step
>16, 309/468, d=0.259, g=1.792
2/2 [==============================] - 0s 8ms/step
>16, 310/468, d=0.342, g=2.915
2/2 [==============================] - 0s 7ms/step
>16, 311/468, d=0.389, g=2.587
2/2 [==============================] - 0s 11ms/step
>16, 312/468, d=0.278, g=3.046
2/2 [==============================] - 0s 10ms/step
>16, 313/468, d=0.387, g=5.059
2/2 [==============================] - 0s 12ms/step
>16, 314/468, d=0.245, g=5.308
2/2 [==============================] - 0s 6ms/step
>16, 315/468, d=0.174, g=4.775
2/2 [==============================] - 0s 5ms/step
>16, 316/468, d=0.262, g=4.796
2/2 [==============================] - 0s 6ms/step
>16, 317/468, d=0.260, g=4.787
2/2 [==============================] - 0s 5ms/step
>16, 318/468, d=0.122, g=5.126
2/2 [==============================] - 0s 7ms/step
>16, 319/468, d=0.337, g=4.800
2/2 [==============================] - 0s 6ms/step
>16, 320/468, d=0.284, g=2.554
2/2 [==============================] - 0s 7ms/step
```

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>16, 321/468, d=0.191, g=2.228
2/2 [==============================] - 0s 8ms/step
>16, 322/468, d=0.273, g=2.971
2/2 [==============================] - 0s 12ms/step
>16, 323/468, d=0.307, g=7.610
2/2 [==============================] - 0s 4ms/step
>16, 324/468, d=0.370, g=3.592
2/2 [==============================] - 0s 4ms/step
>16, 325/468, d=0.306, g=2.118
2/2 [==============================] - 0s 4ms/step
>16, 326/468, d=0.339, g=3.785
2/2 [==============================] - 0s 8ms/step
>16, 327/468, d=0.186, g=4.680
2/2 [==============================] - 0s 13ms/step
>16, 328/468, d=0.331, g=2.615
2/2 [==============================] - 0s 5ms/step
>16, 329/468, d=0.262, g=2.223
2/2 [==============================] - 0s 14ms/step
>16, 330/468, d=0.283, g=3.442
2/2 [==============================] - 0s 10ms/step
>16, 331/468, d=0.199, g=1.654
2/2 [==============================] - 0s 5ms/step
>16, 332/468, d=0.244, g=2.130
2/2 [==============================] - 0s 6ms/step
>16, 333/468, d=0.270, g=2.224
2/2 [==============================] - 0s 5ms/step
>16, 334/468, d=0.253, g=5.742
2/2 [==============================] - 0s 5ms/step
>16, 335/468, d=0.275, g=4.743
2/2 [==============================] - 0s 5ms/step
>16, 336/468, d=0.228, g=4.392
2/2 [==============================] - 0s 5ms/step
>16, 337/468, d=0.308, g=5.370
2/2 [==============================] - 0s 5ms/step
>16, 338/468, d=0.154, g=3.506
2/2 [==============================] - 0s 5ms/step
>16, 339/468, d=0.201, g=1.907
2/2 [==============================] - 0s 8ms/step
>16, 340/468, d=0.299, g=2.305
2/2 [==============================] - 0s 9ms/step
>16, 341/468, d=0.248, g=2.513
2/2 [==============================] - 0s 5ms/step
>16, 342/468, d=0.140, g=2.403
2/2 [==============================] - 0s 15ms/step
>16, 343/468, d=0.226, g=1.105
2/2 [==============================] - 0s 11ms/step
>16, 344/468, d=0.161, g=1.101
2/2 [==============================] - 0s 11ms/step
>16, 345/468, d=0.253, g=1.816
2/2 [==============================] - 0s 5ms/step
>16, 346/468, d=0.205, g=2.210
2/2 [==============================] - 0s 6ms/step
>16, 347/468, d=0.323, g=4.006
2/2 [==============================] - 0s 7ms/step
>16, 348/468, d=0.343, g=5.095
2/2 [==============================] - 0s 10ms/step
>16, 349/468, d=0.362, g=7.564
2/2 [==============================] - 0s 11ms/step
>16, 350/468, d=0.248, g=4.157
2/2 [==============================] - 0s 4ms/step
>16, 351/468, d=0.304, g=3.879
2/2 [==============================] - 0s 8ms/step
>16, 352/468, d=0.207, g=3.870
2/2 [==============================] - 0s 5ms/step
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>16, 353/468, d=0.292, g=2.855
2/2 [==============================] - 0s 10ms/step
>16, 354/468, d=0.190, g=4.020
2/2 [==============================] - 0s 7ms/step
>16, 355/468, d=0.284, g=3.564
2/2 [==============================] - 0s 8ms/step
>16, 356/468, d=0.307, g=1.931
2/2 [==============================] - 0s 15ms/step
>16, 357/468, d=0.196, g=1.311
2/2 [==============================] - 0s 10ms/step
>16, 358/468, d=0.232, g=3.941
2/2 [==============================] - 0s 12ms/step
>16, 359/468, d=0.304, g=4.189
2/2 [==============================] - 0s 8ms/step
>16, 360/468, d=0.332, g=2.495
2/2 [==============================] - 0s 6ms/step
>16, 361/468, d=0.279, g=2.149
2/2 [==============================] - 0s 8ms/step
>16, 362/468, d=0.154, g=1.641
2/2 [==============================] - 0s 7ms/step
>16, 363/468, d=0.268, g=2.182
2/2 [==============================] - 0s 5ms/step
>16, 364/468, d=0.183, g=3.314
2/2 [==============================] - 0s 6ms/step
>16, 365/468, d=0.297, g=2.372
2/2 [==============================] - 0s 9ms/step
>16, 366/468, d=0.287, g=5.056
2/2 [==============================] - 0s 7ms/step
>16, 367/468, d=0.234, g=5.539
2/2 [==============================] - 0s 5ms/step
>16, 368/468, d=0.226, g=3.428
2/2 [==============================] - 0s 6ms/step
>16, 369/468, d=0.269, g=2.653
2/2 [==============================] - 0s 6ms/step
>16, 370/468, d=0.282, g=1.606
2/2 [==============================] - 0s 5ms/step
>16, 371/468, d=0.228, g=3.444
2/2 [==============================] - 0s 9ms/step
>16, 372/468, d=0.187, g=4.856
2/2 [==============================] - 0s 9ms/step
>16, 373/468, d=0.260, g=3.228
2/2 [==============================] - 0s 5ms/step
>16, 374/468, d=0.219, g=3.341
2/2 [==============================] - 0s 8ms/step
>16, 375/468, d=0.190, g=2.114
2/2 [==============================] - 0s 7ms/step
>16, 376/468, d=0.289, g=5.160
2/2 [==============================] - 0s 7ms/step
>16, 377/468, d=0.285, g=5.023
2/2 [==============================] - 0s 8ms/step
>16, 378/468, d=0.230, g=1.081
2/2 [==============================] - 0s 9ms/step
>16, 379/468, d=0.121, g=1.254
2/2 [==============================] - 0s 5ms/step
>16, 380/468, d=0.129, g=1.635
2/2 [==============================] - 0s 5ms/step
>16, 381/468, d=0.274, g=2.761
2/2 [==============================] - 0s 5ms/step
>16, 382/468, d=0.315, g=3.038
2/2 [==============================] - 0s 6ms/step
>16, 383/468, d=0.206, g=5.652
2/2 [==============================] - 0s 5ms/step
>16, 384/468, d=0.359, g=3.515
2/2 [==============================] - 0s 5ms/step
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>16, 385/468, d=0.310, g=3.691
2/2 [==============================] - 0s 15ms/step
>16, 386/468, d=0.306, g=3.214
2/2 [==============================] - 0s 6ms/step
>16, 387/468, d=0.220, g=5.286
2/2 [==============================] - 0s 9ms/step
>16, 388/468, d=0.244, g=6.230
2/2 [==============================] - 0s 7ms/step
>16, 389/468, d=0.240, g=9.015
2/2 [==============================] - 0s 6ms/step
>16, 390/468, d=0.242, g=8.096
2/2 [==============================] - 0s 15ms/step
>16, 391/468, d=0.251, g=4.436
2/2 [==============================] - 0s 7ms/step
>16, 392/468, d=0.238, g=0.890
2/2 [==============================] - 0s 6ms/step
>16, 393/468, d=0.289, g=2.292
2/2 [==============================] - 0s 7ms/step
>16, 394/468, d=0.359, g=2.478
2/2 [==============================] - 0s 10ms/step
>16, 395/468, d=0.256, g=5.886
2/2 [==============================] - 0s 20ms/step
>16, 396/468, d=0.257, g=6.049
2/2 [==============================] - 0s 8ms/step
>16, 397/468, d=0.315, g=1.180
2/2 [==============================] - 0s 6ms/step
>16, 398/468, d=0.242, g=0.252
2/2 [==============================] - 0s 5ms/step
>16, 399/468, d=0.319, g=1.087
2/2 [==============================] - 0s 6ms/step
>16, 400/468, d=0.351, g=1.957
2/2 [==============================] - 0s 7ms/step
>16, 401/468, d=0.311, g=0.730
2/2 [==============================] - 0s 15ms/step
>16, 402/468, d=0.301, g=3.789
2/2 [==============================] - 0s 8ms/step
>16, 403/468, d=0.234, g=2.774
2/2 [==============================] - 0s 6ms/step
>16, 404/468, d=0.270, g=2.150
2/2 [==============================] - 0s 5ms/step
>16, 405/468, d=0.259, g=3.636
2/2 [==============================] - 0s 8ms/step
>16, 406/468, d=0.203, g=3.966
2/2 [==============================] - 0s 5ms/step
>16, 407/468, d=0.164, g=3.667
2/2 [==============================] - 0s 9ms/step
>16, 408/468, d=0.270, g=5.658
2/2 [==============================] - 0s 9ms/step
>16, 409/468, d=0.285, g=3.709
2/2 [==============================] - 0s 5ms/step
>16, 410/468, d=0.190, g=4.345
2/2 [==============================] - 0s 8ms/step
>16, 411/468, d=0.195, g=3.129
2/2 [==============================] - 0s 6ms/step
>16, 412/468, d=0.274, g=2.773
2/2 [==============================] - 0s 18ms/step
>16, 413/468, d=0.162, g=3.707
2/2 [==============================] - 0s 25ms/step
>16, 414/468, d=0.235, g=6.937
2/2 [==============================] - 0s 8ms/step
>16, 415/468, d=0.326, g=4.802
2/2 [==============================] - 0s 19ms/step
>16, 416/468, d=0.162, g=2.136
2/2 [==============================] - 0s 12ms/step
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>16, 417/468, d=0.228, g=1.781
2/2 [==============================] - 0s 6ms/step
>16, 418/468, d=0.183, g=1.151
2/2 [==============================] - 0s 7ms/step
>16, 419/468, d=0.189, g=1.104
2/2 [==============================] - 0s 10ms/step
>16, 420/468, d=0.195, g=2.372
2/2 [==============================] - 0s 7ms/step
>16, 421/468, d=0.337, g=3.554
2/2 [==============================] - 0s 6ms/step
>16, 422/468, d=0.207, g=2.366
2/2 [==============================] - 0s 12ms/step
>16, 423/468, d=0.215, g=2.287
2/2 [==============================] - 0s 7ms/step
>16, 424/468, d=0.264, g=2.766
2/2 [==============================] - 0s 8ms/step
>16, 425/468, d=0.157, g=2.501
2/2 [==============================] - 0s 7ms/step
>16, 426/468, d=0.224, g=2.091
2/2 [==============================] - 0s 7ms/step
>16, 427/468, d=0.269, g=4.327
2/2 [==============================] - 0s 13ms/step
>16, 428/468, d=0.303, g=0.930
2/2 [==============================] - 0s 11ms/step
>16, 429/468, d=0.316, g=2.430
2/2 [==============================] - 0s 4ms/step
>16, 430/468, d=0.185, g=3.384
2/2 [==============================] - 0s 8ms/step
>16, 431/468, d=0.259, g=5.543
2/2 [==============================] - 0s 6ms/step
>16, 432/468, d=0.328, g=6.840
2/2 [==============================] - 0s 5ms/step
>16, 433/468, d=0.258, g=2.036
2/2 [==============================] - 0s 9ms/step
>16, 434/468, d=0.230, g=2.278
2/2 [==============================] - 0s 11ms/step
>16, 435/468, d=0.328, g=1.163
2/2 [==============================] - 0s 5ms/step
>16, 436/468, d=0.323, g=2.194
2/2 [==============================] - 0s 6ms/step
>16, 437/468, d=0.404, g=2.790
2/2 [==============================] - 0s 9ms/step
>16, 438/468, d=0.223, g=0.585
2/2 [==============================] - 0s 12ms/step
>16, 439/468, d=0.258, g=2.404
2/2 [==============================] - 0s 7ms/step
>16, 440/468, d=0.326, g=2.171
2/2 [==============================] - 0s 11ms/step
>16, 441/468, d=0.290, g=3.230
2/2 [==============================] - 0s 13ms/step
>16, 442/468, d=0.214, g=4.420
2/2 [==============================] - 0s 8ms/step
>16, 443/468, d=0.222, g=5.584
2/2 [==============================] - 0s 6ms/step
>16, 444/468, d=0.221, g=5.683
2/2 [==============================] - 0s 19ms/step
>16, 445/468, d=0.284, g=3.497
2/2 [==============================] - 0s 4ms/step
>16, 446/468, d=0.282, g=3.065
2/2 [==============================] - 0s 11ms/step
>16, 447/468, d=0.273, g=2.138
2/2 [==============================] - 0s 7ms/step
>16, 448/468, d=0.367, g=4.132
2/2 [==============================] - 0s 10ms/step
```

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>16, 449/468, d=0.246, g=7.330
2/2 [==============================] - 0s 5ms/step
>16, 450/468, d=0.412, g=3.141
2/2 [==============================] - 0s 15ms/step
>16, 451/468, d=0.266, g=2.934
2/2 [==============================] - 0s 6ms/step
>16, 452/468, d=0.289, g=1.402
2/2 [==============================] - 0s 7ms/step
>16, 453/468, d=0.218, g=2.359
2/2 [==============================] - 0s 14ms/step
>16, 454/468, d=0.214, g=2.191
2/2 [==============================] - 0s 9ms/step
>16, 455/468, d=0.284, g=5.724
2/2 [==============================] - 0s 4ms/step
>16, 456/468, d=0.414, g=1.899
2/2 [==============================] - 0s 9ms/step
>16, 457/468, d=0.262, g=0.616
2/2 [==============================] - 0s 14ms/step
>16, 458/468, d=0.331, g=1.958
2/2 [==============================] - 0s 11ms/step
>16, 459/468, d=0.357, g=5.191
2/2 [==============================] - 0s 12ms/step
>16, 460/468, d=0.640, g=1.524
2/2 [==============================] - 0s 6ms/step
>16, 461/468, d=0.202, g=2.014
2/2 [==============================] - 0s 6ms/step
>16, 462/468, d=0.386, g=4.852
2/2 [==============================] - 0s 10ms/step
>16, 463/468, d=0.224, g=4.033
2/2 [==============================] - 0s 10ms/step
>16, 464/468, d=0.309, g=4.648
2/2 [==============================] - 0s 6ms/step
>16, 465/468, d=0.303, g=6.665
2/2 [==============================] - 0s 6ms/step
>16, 466/468, d=0.304, g=3.230
2/2 [==============================] - 0s 12ms/step
>16, 467/468, d=0.203, g=2.055
2/2 [==============================] - 0s 6ms/step
>16, 468/468, d=0.276, g=2.041
2/2 [==============================] - 0s 7ms/step
>17, 1/468, d=0.275, g=2.476
2/2 [==============================] - 0s 8ms/step
>17, 2/468, d=0.303, g=2.744
2/2 [==============================] - 0s 9ms/step
>17, 3/468, d=0.297, g=4.533
2/2 [==============================] - 0s 6ms/step
>17, 4/468, d=0.481, g=1.769
2/2 [==============================] - 0s 6ms/step
>17, 5/468, d=0.250, g=1.084
2/2 [==============================] - 0s 8ms/step
>17, 6/468, d=0.532, g=5.397
2/2 [==============================] - 0s 10ms/step
>17, 7/468, d=0.376, g=6.138
2/2 [==============================] - 0s 8ms/step
>17, 8/468, d=0.390, g=5.081
2/2 [==============================] - 0s 8ms/step
>17, 9/468, d=0.371, g=2.641
2/2 [==============================] - 0s 5ms/step
>17, 10/468, d=0.370, g=3.235
2/2 [==============================] - 0s 12ms/step
>17, 11/468, d=0.162, g=4.626
2/2 [==============================] - 0s 13ms/step
>17, 12/468, d=0.253, g=5.116
2/2 [==============================] - 0s 5ms/step
```

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>17, 13/468, d=0.298, g=4.424
2/2 [==============================] - 0s 5ms/step
>17, 14/468, d=0.410, g=0.921
2/2 [==============================] - 0s 7ms/step
>17, 15/468, d=0.197, g=1.107
2/2 [==============================] - 0s 7ms/step
>17, 16/468, d=0.315, g=2.706
2/2 [==============================] - 0s 5ms/step
>17, 17/468, d=0.340, g=7.117
2/2 [==============================] - 0s 8ms/step
>17, 18/468, d=0.231, g=4.744
2/2 [==============================] - 0s 5ms/step
>17, 19/468, d=0.306, g=2.484
2/2 [==============================] - 0s 7ms/step
>17, 20/468, d=0.348, g=1.944
2/2 [==============================] - 0s 5ms/step
>17, 21/468, d=0.161, g=1.659
2/2 [==============================] - 0s 7ms/step
>17, 22/468, d=0.290, g=4.163
2/2 [==============================] - 0s 5ms/step
>17, 23/468, d=0.272, g=4.887
2/2 [==============================] - 0s 5ms/step
>17, 24/468, d=0.274, g=4.574
2/2 [==============================] - 0s 5ms/step
>17, 25/468, d=0.169, g=3.076
2/2 [==============================] - 0s 5ms/step
>17, 26/468, d=0.207, g=2.198
2/2 [==============================] - 0s 4ms/step
>17, 27/468, d=0.245, g=3.434
2/2 [==============================] - 0s 14ms/step
>17, 28/468, d=0.281, g=3.366
2/2 [==============================] - 0s 7ms/step
>17, 29/468, d=0.348, g=6.579
2/2 [==============================] - 0s 8ms/step
>17, 30/468, d=0.224, g=4.562
2/2 [==============================] - 0s 5ms/step
>17, 31/468, d=0.220, g=3.294
2/2 [==============================] - 0s 5ms/step
>17, 32/468, d=0.283, g=2.287
2/2 [==============================] - 0s 11ms/step
>17, 33/468, d=0.256, g=3.574
2/2 [==============================] - 0s 6ms/step
>17, 34/468, d=0.422, g=2.290
2/2 [==============================] - 0s 13ms/step
>17, 35/468, d=0.352, g=2.211
2/2 [==============================] - 0s 12ms/step
>17, 36/468, d=0.182, g=3.806
2/2 [==============================] - 0s 5ms/step
>17, 37/468, d=0.325, g=2.846
2/2 [==============================] - 0s 5ms/step
>17, 38/468, d=0.301, g=1.571
2/2 [==============================] - 0s 7ms/step
>17, 39/468, d=0.453, g=5.683
2/2 [==============================] - 0s 5ms/step
>17, 40/468, d=0.412, g=4.990
2/2 [==============================] - 0s 10ms/step
>17, 41/468, d=0.205, g=4.611
2/2 [==============================] - 0s 6ms/step
>17, 42/468, d=0.278, g=5.080
2/2 [==============================] - 0s 10ms/step
>17, 43/468, d=0.312, g=2.128
2/2 [==============================] - 0s 8ms/step
>17, 44/468, d=0.308, g=1.270
2/2 [==============================] - 0s 4ms/step
```

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>17, 45/468, d=0.222, g=2.400
2/2 [==============================] - 0s 6ms/step
>17, 46/468, d=0.326, g=5.068
2/2 [==============================] - 0s 7ms/step
>17, 47/468, d=0.179, g=5.721
2/2 [==============================] - 0s 7ms/step
>17, 48/468, d=0.307, g=3.194
2/2 [==============================] - 0s 9ms/step
>17, 49/468, d=0.303, g=5.154
2/2 [==============================] - 0s 6ms/step
>17, 50/468, d=0.339, g=5.367
2/2 [==============================] - 0s 5ms/step
>17, 51/468, d=0.204, g=2.681
2/2 [==============================] - 0s 14ms/step
>17, 52/468, d=0.219, g=1.813
2/2 [==============================] - 0s 6ms/step
>17, 53/468, d=0.204, g=4.902
2/2 [==============================] - 0s 12ms/step
>17, 54/468, d=0.226, g=6.464
2/2 [==============================] - 0s 8ms/step
>17, 55/468, d=0.195, g=4.904
2/2 [==============================] - 0s 8ms/step
>17, 56/468, d=0.257, g=2.491
2/2 [==============================] - 0s 8ms/step
>17, 57/468, d=0.217, g=0.849
2/2 [==============================] - 0s 5ms/step
>17, 58/468, d=0.193, g=1.204
2/2 [==============================] - 0s 6ms/step
>17, 59/468, d=0.205, g=3.306
2/2 [==============================] - 0s 7ms/step
>17, 60/468, d=0.339, g=3.754
2/2 [==============================] - 0s 12ms/step
>17, 61/468, d=0.224, g=4.939
2/2 [==============================] - 0s 12ms/step
>17, 62/468, d=0.324, g=7.729
2/2 [==============================] - 0s 6ms/step
>17, 63/468, d=0.219, g=7.371
2/2 [==============================] - 0s 4ms/step
>17, 64/468, d=0.303, g=4.605
2/2 [==============================] - 0s 13ms/step
>17, 65/468, d=0.251, g=4.722
2/2 [==============================] - 0s 11ms/step
>17, 66/468, d=0.153, g=3.720
2/2 [==============================] - 0s 6ms/step
>17, 67/468, d=0.185, g=3.141
2/2 [==============================] - 0s 10ms/step
>17, 68/468, d=0.429, g=4.401
2/2 [==============================] - 0s 6ms/step
>17, 69/468, d=0.260, g=4.536
2/2 [==============================] - 0s 10ms/step
>17, 70/468, d=0.287, g=3.838
2/2 [==============================] - 0s 6ms/step
>17, 71/468, d=0.214, g=0.218
2/2 [==============================] - 0s 4ms/step
>17, 72/468, d=0.161, g=0.118
2/2 [==============================] - 0s 10ms/step
>17, 73/468, d=0.152, g=0.528
2/2 [==============================] - 0s 5ms/step
>17, 74/468, d=0.136, g=1.133
2/2 [==============================] - 0s 6ms/step
>17, 75/468, d=0.324, g=2.391
2/2 [==============================] - 0s 4ms/step
>17, 76/468, d=0.258, g=1.299
2/2 [==============================] - 0s 5ms/step
```

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>17, 77/468, d=0.228, g=3.030
2/2 [==============================] - 0s 5ms/step
>17, 78/468, d=0.302, g=3.103
2/2 [==============================] - 0s 5ms/step
>17, 79/468, d=0.210, g=3.644
2/2 [==============================] - 0s 9ms/step
>17, 80/468, d=0.249, g=4.134
2/2 [==============================] - 0s 5ms/step
>17, 81/468, d=0.251, g=4.470
2/2 [==============================] - 0s 9ms/step
>17, 82/468, d=0.251, g=6.129
2/2 [==============================] - 0s 7ms/step
>17, 83/468, d=0.315, g=5.192
2/2 [==============================] - 0s 9ms/step
>17, 84/468, d=0.283, g=4.450
2/2 [==============================] - 0s 9ms/step
>17, 85/468, d=0.254, g=6.390
2/2 [==============================] - 0s 11ms/step
>17, 86/468, d=0.174, g=6.391
2/2 [==============================] - 0s 6ms/step
>17, 87/468, d=0.299, g=4.465
2/2 [==============================] - 0s 6ms/step
>17, 88/468, d=0.273, g=2.828
2/2 [==============================] - 0s 5ms/step
>17, 89/468, d=0.305, g=4.139
2/2 [==============================] - 0s 14ms/step
>17, 90/468, d=0.252, g=4.093
2/2 [==============================] - 0s 5ms/step
>17, 91/468, d=0.290, g=1.606
2/2 [==============================] - 0s 5ms/step
>17, 92/468, d=0.262, g=1.591
2/2 [==============================] - 0s 5ms/step
>17, 93/468, d=0.296, g=0.926
2/2 [==============================] - 0s 5ms/step
>17, 94/468, d=0.263, g=2.663
2/2 [==============================] - 0s 5ms/step
>17, 95/468, d=0.201, g=1.537
2/2 [==============================] - 0s 5ms/step
>17, 96/468, d=0.256, g=1.759
2/2 [==============================] - 0s 7ms/step
>17, 97/468, d=0.309, g=2.427
2/2 [==============================] - 0s 7ms/step
>17, 98/468, d=0.273, g=3.246
2/2 [==============================] - 0s 10ms/step
>17, 99/468, d=0.288, g=2.299
2/2 [==============================] - 0s 7ms/step
>17, 100/468, d=0.258, g=4.383
2/2 [==============================] - 0s 4ms/step
>17, 101/468, d=0.260, g=2.603
2/2 [==============================] - 0s 6ms/step
>17, 102/468, d=0.267, g=1.240
2/2 [==============================] - 0s 7ms/step
>17, 103/468, d=0.198, g=2.871
2/2 [==============================] - 0s 14ms/step
>17, 104/468, d=0.359, g=4.071
2/2 [==============================] - 0s 10ms/step
>17, 105/468, d=0.284, g=4.548
2/2 [==============================] - 0s 18ms/step
>17, 106/468, d=0.254, g=5.168
2/2 [==============================] - 0s 10ms/step
>17, 107/468, d=0.270, g=3.974
2/2 [==============================] - 0s 5ms/step
>17, 108/468, d=0.251, g=3.210
2/2 [==============================] - 0s 15ms/step
```

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>17, 109/468, d=0.370, g=6.375
2/2 [==============================] - 0s 5ms/step
>17, 110/468, d=0.232, g=4.155
2/2 [==============================] - 0s 6ms/step
>17, 111/468, d=0.299, g=0.924
2/2 [==============================] - 0s 8ms/step
>17, 112/468, d=0.269, g=0.747
2/2 [==============================] - 0s 8ms/step
>17, 113/468, d=0.283, g=2.287
2/2 [==============================] - 0s 4ms/step
>17, 114/468, d=0.269, g=1.835
2/2 [==============================] - 0s 6ms/step
>17, 115/468, d=0.237, g=3.358
2/2 [==============================] - 0s 13ms/step
>17, 116/468, d=0.182, g=4.432
2/2 [==============================] - 0s 9ms/step
>17, 117/468, d=0.306, g=4.575
2/2 [==============================] - 0s 16ms/step
>17, 118/468, d=0.291, g=3.365
2/2 [==============================] - 0s 7ms/step
>17, 119/468, d=0.287, g=4.158
2/2 [==============================] - 0s 11ms/step
>17, 120/468, d=0.261, g=4.746
2/2 [==============================] - 0s 5ms/step
>17, 121/468, d=0.338, g=2.672
2/2 [==============================] - 0s 5ms/step
>17, 122/468, d=0.392, g=2.133
2/2 [==============================] - 0s 6ms/step
>17, 123/468, d=0.215, g=5.309
2/2 [==============================] - 0s 14ms/step
>17, 124/468, d=0.330, g=3.349
2/2 [==============================] - 0s 7ms/step
>17, 125/468, d=0.263, g=3.273
2/2 [==============================] - 0s 5ms/step
>17, 126/468, d=0.268, g=5.668
2/2 [==============================] - 0s 6ms/step
>17, 127/468, d=0.412, g=2.704
2/2 [==============================] - 0s 4ms/step
>17, 128/468, d=0.161, g=2.035
2/2 [==============================] - 0s 9ms/step
>17, 129/468, d=0.324, g=2.780
2/2 [==============================] - 0s 5ms/step
>17, 130/468, d=0.269, g=4.618
2/2 [==============================] - 0s 4ms/step
>17, 131/468, d=0.226, g=5.173
2/2 [==============================] - 0s 11ms/step
>17, 132/468, d=0.251, g=2.431
2/2 [==============================] - 0s 5ms/step
>17, 133/468, d=0.337, g=1.838
2/2 [==============================] - 0s 6ms/step
>17, 134/468, d=0.333, g=4.033
2/2 [==============================] - 0s 7ms/step
>17, 135/468, d=0.414, g=1.606
2/2 [==============================] - 0s 10ms/step
>17, 136/468, d=0.197, g=2.138
2/2 [==============================] - 0s 13ms/step
>17, 137/468, d=0.292, g=2.265
2/2 [==============================] - 0s 6ms/step
>17, 138/468, d=0.282, g=6.276
2/2 [==============================] - 0s 6ms/step
>17, 139/468, d=0.463, g=3.657
2/2 [==============================] - 0s 6ms/step
>17, 140/468, d=0.287, g=2.661
2/2 [==============================] - 0s 5ms/step
```

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>17, 141/468, d=0.249, g=3.417
2/2 [==============================] - 0s 5ms/step
>17, 142/468, d=0.278, g=6.280
2/2 [==============================] - 0s 7ms/step
>17, 143/468, d=0.293, g=3.644
2/2 [==============================] - 0s 4ms/step
>17, 144/468, d=0.286, g=1.464
2/2 [==============================] - 0s 11ms/step
>17, 145/468, d=0.333, g=1.309
2/2 [==============================] - 0s 7ms/step
>17, 146/468, d=0.285, g=2.194
2/2 [==============================] - 0s 4ms/step
>17, 147/468, d=0.200, g=3.434
2/2 [==============================] - 0s 6ms/step
>17, 148/468, d=0.234, g=2.718
2/2 [==============================] - 0s 12ms/step
>17, 149/468, d=0.384, g=1.977
2/2 [==============================] - 0s 10ms/step
>17, 150/468, d=0.308, g=1.594
2/2 [==============================] - 0s 8ms/step
>17, 151/468, d=0.301, g=5.463
2/2 [==============================] - 0s 15ms/step
>17, 152/468, d=0.250, g=4.272
2/2 [==============================] - 0s 6ms/step
>17, 153/468, d=0.292, g=4.040
2/2 [==============================] - 0s 6ms/step
>17, 154/468, d=0.205, g=1.108
2/2 [==============================] - 0s 9ms/step
>17, 155/468, d=0.247, g=1.239
2/2 [==============================] - 0s 7ms/step
>17, 156/468, d=0.301, g=4.278
2/2 [==============================] - 0s 11ms/step
>17, 157/468, d=0.215, g=4.486
2/2 [==============================] - 0s 7ms/step
>17, 158/468, d=0.233, g=1.499
2/2 [==============================] - 0s 8ms/step
>17, 159/468, d=0.333, g=1.445
2/2 [==============================] - 0s 7ms/step
>17, 160/468, d=0.197, g=2.843
2/2 [==============================] - 0s 10ms/step
>17, 161/468, d=0.407, g=2.258
2/2 [==============================] - 0s 8ms/step
>17, 162/468, d=0.271, g=5.034
2/2 [==============================] - 0s 11ms/step
>17, 163/468, d=0.399, g=1.919
2/2 [==============================] - 0s 8ms/step
>17, 164/468, d=0.178, g=0.892
2/2 [==============================] - 0s 8ms/step
>17, 165/468, d=0.292, g=3.564
2/2 [==============================] - 0s 7ms/step
>17, 166/468, d=0.293, g=4.803
2/2 [==============================] - 0s 5ms/step
>17, 167/468, d=0.298, g=4.566
2/2 [==============================] - 0s 8ms/step
>17, 168/468, d=0.219, g=2.349
2/2 [==============================] - 0s 13ms/step
>17, 169/468, d=0.264, g=1.517
2/2 [==============================] - 0s 6ms/step
>17, 170/468, d=0.382, g=4.792
2/2 [==============================] - 0s 5ms/step
>17, 171/468, d=0.321, g=6.443
2/2 [==============================] - 0s 7ms/step
>17, 172/468, d=0.330, g=3.894
2/2 [==============================] - 0s 9ms/step
```

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>17, 173/468, d=0.338, g=7.543
2/2 [==============================] - 0s 4ms/step
>17, 174/468, d=0.233, g=6.136
2/2 [==============================] - 0s 6ms/step
>17, 175/468, d=0.335, g=3.038
2/2 [==============================] - 0s 5ms/step
>17, 176/468, d=0.298, g=1.640
2/2 [==============================] - 0s 15ms/step
>17, 177/468, d=0.288, g=4.068
2/2 [==============================] - 0s 9ms/step
>17, 178/468, d=0.319, g=6.994
2/2 [==============================] - 0s 5ms/step
>17, 179/468, d=0.472, g=2.657
2/2 [==============================] - 0s 5ms/step
>17, 180/468, d=0.239, g=2.264
2/2 [==============================] - 0s 11ms/step
>17, 181/468, d=0.220, g=3.593
2/2 [==============================] - 0s 7ms/step
>17, 182/468, d=0.245, g=3.338
2/2 [==============================] - 0s 6ms/step
>17, 183/468, d=0.219, g=1.760
2/2 [==============================] - 0s 6ms/step
>17, 184/468, d=0.196, g=2.506
2/2 [==============================] - 0s 14ms/step
>17, 185/468, d=0.233, g=2.044
2/2 [==============================] - 0s 10ms/step
>17, 186/468, d=0.235, g=4.261
2/2 [==============================] - 0s 12ms/step
>17, 187/468, d=0.206, g=5.293
2/2 [==============================] - 0s 6ms/step
>17, 188/468, d=0.263, g=1.442
2/2 [==============================] - 0s 5ms/step
>17, 189/468, d=0.146, g=0.649
2/2 [==============================] - 0s 6ms/step
>17, 190/468, d=0.138, g=1.132
2/2 [==============================] - 0s 15ms/step
>17, 191/468, d=0.220, g=1.462
2/2 [==============================] - 0s 9ms/step
>17, 192/468, d=0.186, g=2.239
2/2 [==============================] - 0s 5ms/step
>17, 193/468, d=0.332, g=4.229
2/2 [==============================] - 0s 5ms/step
>17, 194/468, d=0.262, g=5.107
2/2 [==============================] - 0s 10ms/step
>17, 195/468, d=0.255, g=8.015
2/2 [==============================] - 0s 5ms/step
>17, 196/468, d=0.223, g=3.217
2/2 [==============================] - 0s 5ms/step
>17, 197/468, d=0.251, g=1.517
2/2 [==============================] - 0s 7ms/step
>17, 198/468, d=0.346, g=3.335
2/2 [==============================] - 0s 7ms/step
>17, 199/468, d=0.276, g=2.465
2/2 [==============================] - 0s 7ms/step
>17, 200/468, d=0.181, g=3.225
2/2 [==============================] - 0s 11ms/step
>17, 201/468, d=0.266, g=3.079
2/2 [==============================] - 0s 11ms/step
>17, 202/468, d=0.261, g=6.203
2/2 [==============================] - 0s 5ms/step
>17, 203/468, d=0.248, g=4.862
2/2 [==============================] - 0s 6ms/step
>17, 204/468, d=0.290, g=3.912
2/2 [==============================] - 0s 5ms/step
```

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>17, 205/468, d=0.325, g=4.814
2/2 [==============================] - 0s 6ms/step
>17, 206/468, d=0.221, g=4.425
2/2 [==============================] - 0s 10ms/step
>17, 207/468, d=0.206, g=3.638
2/2 [==============================] - 0s 7ms/step
>17, 208/468, d=0.238, g=3.280
2/2 [==============================] - 0s 10ms/step
>17, 209/468, d=0.303, g=0.922
2/2 [==============================] - 0s 12ms/step
>17, 210/468, d=0.237, g=1.363
2/2 [==============================] - 0s 5ms/step
>17, 211/468, d=0.266, g=1.771
2/2 [==============================] - 0s 5ms/step
>17, 212/468, d=0.282, g=1.704
2/2 [==============================] - 0s 6ms/step
>17, 213/468, d=0.280, g=3.208
2/2 [==============================] - 0s 7ms/step
>17, 214/468, d=0.245, g=4.195
2/2 [==============================] - 0s 5ms/step
>17, 215/468, d=0.357, g=1.735
2/2 [==============================] - 0s 6ms/step
>17, 216/468, d=0.316, g=2.713
2/2 [==============================] - 0s 5ms/step
>17, 217/468, d=0.253, g=5.256
2/2 [==============================] - 0s 22ms/step
>17, 218/468, d=0.360, g=1.960
2/2 [==============================] - 0s 8ms/step
>17, 219/468, d=0.193, g=1.342
2/2 [==============================] - 0s 6ms/step
>17, 220/468, d=0.368, g=5.272
2/2 [==============================] - 0s 7ms/step
>17, 221/468, d=0.368, g=5.444
2/2 [==============================] - 0s 12ms/step
>17, 222/468, d=0.290, g=3.126
2/2 [==============================] - 0s 6ms/step
>17, 223/468, d=0.233, g=4.657
2/2 [==============================] - 0s 12ms/step
>17, 224/468, d=0.302, g=2.968
2/2 [==============================] - 0s 13ms/step
>17, 225/468, d=0.303, g=3.654
2/2 [==============================] - 0s 5ms/step
>17, 226/468, d=0.251, g=4.451
2/2 [==============================] - 0s 9ms/step
>17, 227/468, d=0.218, g=5.384
2/2 [==============================] - 0s 6ms/step
>17, 228/468, d=0.276, g=6.187
2/2 [==============================] - 0s 5ms/step
>17, 229/468, d=0.257, g=3.994
2/2 [==============================] - 0s 6ms/step
>17, 230/468, d=0.261, g=3.682
2/2 [==============================] - 0s 7ms/step
>17, 231/468, d=0.418, g=3.686
2/2 [==============================] - 0s 6ms/step
>17, 232/468, d=0.222, g=3.809
2/2 [==============================] - 0s 7ms/step
>17, 233/468, d=0.233, g=2.777
2/2 [==============================] - 0s 11ms/step
>17, 234/468, d=0.219, g=2.130
2/2 [==============================] - 0s 9ms/step
>17, 235/468, d=0.323, g=2.829
2/2 [==============================] - 0s 7ms/step
>17, 236/468, d=0.239, g=3.179
2/2 [==============================] - 0s 5ms/step
```

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>17, 237/468, d=0.226, g=3.819
2/2 [==============================] - 0s 8ms/step
>17, 238/468, d=0.260, g=3.582
2/2 [==============================] - 0s 5ms/step
>17, 239/468, d=0.183, g=1.722
2/2 [==============================] - 0s 5ms/step
>17, 240/468, d=0.215, g=1.489
2/2 [==============================] - 0s 18ms/step
>17, 241/468, d=0.273, g=2.543
2/2 [==============================] - 0s 8ms/step
>17, 242/468, d=0.287, g=3.841
2/2 [==============================] - 0s 10ms/step
>17, 243/468, d=0.309, g=4.652
2/2 [==============================] - 0s 13ms/step
>17, 244/468, d=0.369, g=3.732
2/2 [==============================] - 0s 20ms/step
>17, 245/468, d=0.199, g=2.956
2/2 [==============================] - 0s 10ms/step
>17, 246/468, d=0.481, g=1.617
2/2 [==============================] - 0s 12ms/step
>17, 247/468, d=0.376, g=6.523
2/2 [==============================] - 0s 7ms/step
>17, 248/468, d=0.363, g=2.520
2/2 [==============================] - 0s 19ms/step
>17, 249/468, d=0.150, g=1.485
2/2 [==============================] - 0s 12ms/step
>17, 250/468, d=0.313, g=4.742
2/2 [==============================] - 0s 6ms/step
>17, 251/468, d=0.346, g=6.255
2/2 [==============================] - 0s 6ms/step
>17, 252/468, d=0.333, g=2.134
2/2 [==============================] - 0s 9ms/step
>17, 253/468, d=0.300, g=1.035
2/2 [==============================] - 0s 6ms/step
>17, 254/468, d=0.293, g=0.477
2/2 [==============================] - 0s 8ms/step
>17, 255/468, d=0.239, g=1.024
2/2 [==============================] - 0s 5ms/step
>17, 256/468, d=0.199, g=3.826
2/2 [==============================] - 0s 4ms/step
>17, 257/468, d=0.387, g=2.467
2/2 [==============================] - 0s 7ms/step
>17, 258/468, d=0.326, g=0.968
2/2 [==============================] - 0s 12ms/step
>17, 259/468, d=0.364, g=3.111
2/2 [==============================] - 0s 5ms/step
>17, 260/468, d=0.234, g=5.064
2/2 [==============================] - 0s 7ms/step
>17, 261/468, d=0.246, g=3.705
2/2 [==============================] - 0s 4ms/step
>17, 262/468, d=0.288, g=5.166
2/2 [==============================] - 0s 6ms/step
>17, 263/468, d=0.246, g=5.278
2/2 [==============================] - 0s 6ms/step
>17, 264/468, d=0.214, g=3.979
2/2 [==============================] - 0s 11ms/step
>17, 265/468, d=0.225, g=1.388
2/2 [==============================] - 0s 10ms/step
>17, 266/468, d=0.380, g=6.190
2/2 [==============================] - 0s 16ms/step
>17, 267/468, d=0.543, g=2.731
2/2 [==============================] - 0s 4ms/step
>17, 268/468, d=0.314, g=1.922
2/2 [==============================] - 0s 7ms/step
```

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>17, 269/468, d=0.338, g=4.111
2/2 [==============================] - 0s 6ms/step
>17, 270/468, d=0.497, g=3.370
2/2 [==============================] - 0s 10ms/step
>17, 271/468, d=0.292, g=4.995
2/2 [==============================] - 0s 11ms/step
>17, 272/468, d=0.166, g=5.509
2/2 [==============================] - 0s 7ms/step
>17, 273/468, d=0.257, g=4.297
2/2 [==============================] - 0s 6ms/step
>17, 274/468, d=0.280, g=0.942
2/2 [==============================] - 0s 5ms/step
>17, 275/468, d=0.195, g=1.972
2/2 [==============================] - 0s 9ms/step
>17, 276/468, d=0.323, g=5.065
2/2 [==============================] - 0s 12ms/step
>17, 277/468, d=0.296, g=7.678
2/2 [==============================] - 0s 8ms/step
>17, 278/468, d=0.334, g=5.490
2/2 [==============================] - 0s 7ms/step
>17, 279/468, d=0.341, g=1.528
2/2 [==============================] - 0s 19ms/step
>17, 280/468, d=0.250, g=1.499
2/2 [==============================] - 0s 12ms/step
>17, 281/468, d=0.369, g=1.814
2/2 [==============================] - 0s 16ms/step
>17, 282/468, d=0.262, g=2.664
2/2 [==============================] - 0s 12ms/step
>17, 283/468, d=0.201, g=1.657
2/2 [==============================] - 0s 10ms/step
>17, 284/468, d=0.187, g=2.248
2/2 [==============================] - 0s 8ms/step
>17, 285/468, d=0.211, g=3.305
2/2 [==============================] - 0s 6ms/step
>17, 286/468, d=0.201, g=3.077
2/2 [==============================] - 0s 7ms/step
>17, 287/468, d=0.239, g=2.626
2/2 [==============================] - 0s 5ms/step
>17, 288/468, d=0.205, g=3.812
2/2 [==============================] - 0s 6ms/step
>17, 289/468, d=0.217, g=3.579
2/2 [==============================] - 0s 6ms/step
>17, 290/468, d=0.276, g=2.490
2/2 [==============================] - 0s 8ms/step
>17, 291/468, d=0.289, g=4.574
2/2 [==============================] - 0s 12ms/step
>17, 292/468, d=0.237, g=3.367
2/2 [==============================] - 0s 12ms/step
>17, 293/468, d=0.288, g=1.584
2/2 [==============================] - 0s 5ms/step
>17, 294/468, d=0.237, g=2.577
2/2 [==============================] - 0s 10ms/step
>17, 295/468, d=0.378, g=8.496
2/2 [==============================] - 0s 7ms/step
>17, 296/468, d=0.361, g=1.799
2/2 [==============================] - 0s 7ms/step
>17, 297/468, d=0.297, g=1.280
2/2 [==============================] - 0s 6ms/step
>17, 298/468, d=0.294, g=1.892
2/2 [==============================] - 0s 13ms/step
>17, 299/468, d=0.235, g=5.417
2/2 [==============================] - 0s 14ms/step
>17, 300/468, d=0.254, g=4.167
2/2 [==============================] - 0s 10ms/step
```

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>17, 301/468, d=0.173, g=4.466
2/2 [==============================] - 0s 7ms/step
>17, 302/468, d=0.250, g=4.139
2/2 [==============================] - 0s 7ms/step
>17, 303/468, d=0.274, g=5.324
2/2 [==============================] - 0s 15ms/step
>17, 304/468, d=0.257, g=4.820
2/2 [==============================] - 0s 5ms/step
>17, 305/468, d=0.414, g=8.149
2/2 [==============================] - 0s 5ms/step
>17, 306/468, d=0.300, g=3.503
2/2 [==============================] - 0s 7ms/step
>17, 307/468, d=0.348, g=3.477
2/2 [==============================] - 0s 7ms/step
>17, 308/468, d=0.332, g=2.224
2/2 [==============================] - 0s 5ms/step
>17, 309/468, d=0.214, g=2.274
2/2 [==============================] - 0s 7ms/step
>17, 310/468, d=0.207, g=1.898
2/2 [==============================] - 0s 5ms/step
>17, 311/468, d=0.231, g=2.052
2/2 [==============================] - 0s 5ms/step
>17, 312/468, d=0.141, g=2.301
2/2 [==============================] - 0s 4ms/step
>17, 313/468, d=0.234, g=0.699
2/2 [==============================] - 0s 4ms/step
>17, 314/468, d=0.263, g=1.241
2/2 [==============================] - 0s 5ms/step
>17, 315/468, d=0.270, g=5.473
2/2 [==============================] - 0s 14ms/step
>17, 316/468, d=0.403, g=2.029
2/2 [==============================] - 0s 6ms/step
>17, 317/468, d=0.220, g=1.557
2/2 [==============================] - 0s 4ms/step
>17, 318/468, d=0.242, g=3.462
2/2 [==============================] - 0s 6ms/step
>17, 319/468, d=0.295, g=5.334
2/2 [==============================] - 0s 4ms/step
>17, 320/468, d=0.191, g=5.497
2/2 [==============================] - 0s 7ms/step
>17, 321/468, d=0.282, g=3.417
2/2 [==============================] - 0s 6ms/step
>17, 322/468, d=0.302, g=2.072
2/2 [==============================] - 0s 8ms/step
>17, 323/468, d=0.279, g=4.831
2/2 [==============================] - 0s 9ms/step
>17, 324/468, d=0.319, g=3.035
2/2 [==============================] - 0s 7ms/step
>17, 325/468, d=0.295, g=4.271
2/2 [==============================] - 0s 7ms/step
>17, 326/468, d=0.246, g=3.114
2/2 [==============================] - 0s 12ms/step
>17, 327/468, d=0.250, g=1.601
2/2 [==============================] - 0s 6ms/step
>17, 328/468, d=0.126, g=1.869
2/2 [==============================] - 0s 6ms/step
>17, 329/468, d=0.267, g=2.155
2/2 [==============================] - 0s 6ms/step
>17, 330/468, d=0.199, g=3.842
2/2 [==============================] - 0s 14ms/step
>17, 331/468, d=0.298, g=3.961
2/2 [==============================] - 0s 8ms/step
>17, 332/468, d=0.234, g=0.996
2/2 [==============================] - 0s 9ms/step
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>17, 333/468, d=0.338, g=1.422
2/2 [==============================] - 0s 4ms/step
>17, 334/468, d=0.246, g=1.746
2/2 [==============================] - 0s 6ms/step
>17, 335/468, d=0.332, g=4.376
2/2 [==============================] - 0s 6ms/step
>17, 336/468, d=0.214, g=4.047
2/2 [==============================] - 0s 14ms/step
>17, 337/468, d=0.145, g=3.070
2/2 [==============================] - 0s 6ms/step
>17, 338/468, d=0.204, g=2.282
2/2 [==============================] - 0s 11ms/step
>17, 339/468, d=0.235, g=1.554
2/2 [==============================] - 0s 6ms/step
>17, 340/468, d=0.244, g=3.010
2/2 [==============================] - 0s 13ms/step
>17, 341/468, d=0.270, g=3.579
2/2 [==============================] - 0s 14ms/step
>17, 342/468, d=0.214, g=5.447
2/2 [==============================] - 0s 9ms/step
>17, 343/468, d=0.250, g=3.195
2/2 [==============================] - 0s 7ms/step
>17, 344/468, d=0.113, g=2.700
2/2 [==============================] - 0s 6ms/step
>17, 345/468, d=0.212, g=2.025
2/2 [==============================] - 0s 4ms/step
>17, 346/468, d=0.397, g=4.958
2/2 [==============================] - 0s 5ms/step
>17, 347/468, d=0.227, g=4.900
2/2 [==============================] - 0s 7ms/step
>17, 348/468, d=0.309, g=6.171
2/2 [==============================] - 0s 4ms/step
>17, 349/468, d=0.283, g=5.042
2/2 [==============================] - 0s 11ms/step
>17, 350/468, d=0.309, g=3.357
2/2 [==============================] - 0s 7ms/step
>17, 351/468, d=0.296, g=5.613
2/2 [==============================] - 0s 13ms/step
>17, 352/468, d=0.450, g=4.578
2/2 [==============================] - 0s 13ms/step
>17, 353/468, d=0.213, g=6.320
2/2 [==============================] - 0s 5ms/step
>17, 354/468, d=0.291, g=1.668
2/2 [==============================] - 0s 6ms/step
>17, 355/468, d=0.223, g=1.470
2/2 [==============================] - 0s 6ms/step
>17, 356/468, d=0.269, g=1.649
2/2 [==============================] - 0s 6ms/step
>17, 357/468, d=0.173, g=3.304
2/2 [==============================] - 0s 6ms/step
>17, 358/468, d=0.291, g=5.198
2/2 [==============================] - 0s 11ms/step
>17, 359/468, d=0.301, g=2.428
2/2 [==============================] - 0s 6ms/step
>17, 360/468, d=0.209, g=1.243
2/2 [==============================] - 0s 13ms/step
>17, 361/468, d=0.153, g=0.990
2/2 [==============================] - 0s 4ms/step
>17, 362/468, d=0.266, g=2.308
2/2 [==============================] - 0s 11ms/step
>17, 363/468, d=0.329, g=2.801
2/2 [==============================] - 0s 5ms/step
>17, 364/468, d=0.239, g=4.051
2/2 [==============================] - 0s 10ms/step
```

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>17, 365/468, d=0.314, g=0.930
2/2 [==============================] - 0s 6ms/step
>17, 366/468, d=0.294, g=2.182
2/2 [==============================] - 0s 5ms/step
>17, 367/468, d=0.201, g=1.083
2/2 [==============================] - 0s 11ms/step
>17, 368/468, d=0.405, g=1.061
2/2 [==============================] - 0s 14ms/step
>17, 369/468, d=0.294, g=4.635
2/2 [==============================] - 0s 9ms/step
>17, 370/468, d=0.291, g=4.902
2/2 [==============================] - 0s 5ms/step
>17, 371/468, d=0.258, g=7.944
2/2 [==============================] - 0s 7ms/step
>17, 372/468, d=0.214, g=5.729
2/2 [==============================] - 0s 9ms/step
>17, 373/468, d=0.163, g=3.233
2/2 [==============================] - 0s 16ms/step
>17, 374/468, d=0.123, g=2.554
2/2 [==============================] - 0s 6ms/step
>17, 375/468, d=0.191, g=2.256
2/2 [==============================] - 0s 5ms/step
>17, 376/468, d=0.123, g=2.218
2/2 [==============================] - 0s 6ms/step
>17, 377/468, d=0.295, g=4.421
2/2 [==============================] - 0s 11ms/step
>17, 378/468, d=0.411, g=6.523
2/2 [==============================] - 0s 5ms/step
>17, 379/468, d=0.407, g=1.100
2/2 [==============================] - 0s 4ms/step
>17, 380/468, d=0.580, g=4.933
2/2 [==============================] - 0s 5ms/step
>17, 381/468, d=0.333, g=5.614
2/2 [==============================] - 0s 5ms/step
>17, 382/468, d=0.442, g=5.494
2/2 [==============================] - 0s 7ms/step
>17, 383/468, d=0.401, g=7.821
2/2 [==============================] - 0s 5ms/step
>17, 384/468, d=0.376, g=4.759
2/2 [==============================] - 0s 5ms/step
>17, 385/468, d=0.252, g=3.723
2/2 [==============================] - 0s 5ms/step
>17, 386/468, d=0.290, g=2.275
2/2 [==============================] - 0s 5ms/step
>17, 387/468, d=0.246, g=2.424
2/2 [==============================] - 0s 9ms/step
>17, 388/468, d=0.303, g=6.622
2/2 [==============================] - 0s 8ms/step
>17, 389/468, d=0.462, g=1.828
2/2 [==============================] - 0s 5ms/step
>17, 390/468, d=0.326, g=1.666
2/2 [==============================] - 0s 7ms/step
>17, 391/468, d=0.206, g=1.480
2/2 [==============================] - 0s 6ms/step
>17, 392/468, d=0.431, g=3.535
2/2 [==============================] - 0s 10ms/step
>17, 393/468, d=0.298, g=3.168
2/2 [==============================] - 0s 5ms/step
>17, 394/468, d=0.209, g=4.543
2/2 [==============================] - 0s 7ms/step
>17, 395/468, d=0.155, g=3.830
2/2 [==============================] - 0s 5ms/step
>17, 396/468, d=0.217, g=4.101
2/2 [==============================] - 0s 5ms/step
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>17, 397/468, d=0.426, g=5.275
2/2 [==============================] - 0s 5ms/step
>17, 398/468, d=0.230, g=5.456
2/2 [==============================] - 0s 8ms/step
>17, 399/468, d=0.360, g=0.613
2/2 [==============================] - 0s 4ms/step
>17, 400/468, d=0.253, g=1.070
2/2 [==============================] - 0s 12ms/step
>17, 401/468, d=0.179, g=0.671
2/2 [==============================] - 0s 5ms/step
>17, 402/468, d=0.384, g=2.723
2/2 [==============================] - 0s 8ms/step
>17, 403/468, d=0.350, g=7.781
2/2 [==============================] - 0s 15ms/step
>17, 404/468, d=0.447, g=1.737
2/2 [==============================] - 0s 6ms/step
>17, 405/468, d=0.215, g=0.855
2/2 [==============================] - 0s 7ms/step
>17, 406/468, d=0.274, g=1.800
2/2 [==============================] - 0s 11ms/step
>17, 407/468, d=0.167, g=2.177
2/2 [==============================] - 0s 7ms/step
>17, 408/468, d=0.298, g=2.984
2/2 [==============================] - 0s 6ms/step
>17, 409/468, d=0.435, g=4.006
2/2 [==============================] - 0s 7ms/step
>17, 410/468, d=0.331, g=5.916
2/2 [==============================] - 0s 7ms/step
>17, 411/468, d=0.300, g=4.611
2/2 [==============================] - 0s 13ms/step
>17, 412/468, d=0.324, g=2.491
2/2 [==============================] - 0s 6ms/step
>17, 413/468, d=0.266, g=3.266
2/2 [==============================] - 0s 14ms/step
>17, 414/468, d=0.276, g=5.376
2/2 [==============================] - 0s 5ms/step
>17, 415/468, d=0.273, g=7.787
2/2 [==============================] - 0s 8ms/step
>17, 416/468, d=0.298, g=4.662
2/2 [==============================] - 0s 8ms/step
>17, 417/468, d=0.326, g=2.955
2/2 [==============================] - 0s 5ms/step
>17, 418/468, d=0.333, g=2.677
2/2 [==============================] - 0s 7ms/step
>17, 419/468, d=0.249, g=2.199
2/2 [==============================] - 0s 7ms/step
>17, 420/468, d=0.269, g=3.518
2/2 [==============================] - 0s 6ms/step
>17, 421/468, d=0.246, g=4.743
2/2 [==============================] - 0s 8ms/step
>17, 422/468, d=0.312, g=3.035
2/2 [==============================] - 0s 4ms/step
>17, 423/468, d=0.332, g=1.536
2/2 [==============================] - 0s 9ms/step
>17, 424/468, d=0.386, g=2.705
2/2 [==============================] - 0s 4ms/step
>17, 425/468, d=0.238, g=1.438
2/2 [==============================] - 0s 7ms/step
>17, 426/468, d=0.260, g=2.569
2/2 [==============================] - 0s 5ms/step
>17, 427/468, d=0.245, g=1.880
2/2 [==============================] - 0s 7ms/step
>17, 428/468, d=0.250, g=2.472
2/2 [==============================] - 0s 4ms/step
```

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>17, 429/468, d=0.277, g=3.423
2/2 [==============================] - 0s 13ms/step
>17, 430/468, d=0.290, g=5.135
2/2 [==============================] - 0s 9ms/step
>17, 431/468, d=0.346, g=2.519
2/2 [==============================] - 0s 12ms/step
>17, 432/468, d=0.340, g=1.130
2/2 [==============================] - 0s 10ms/step
>17, 433/468, d=0.381, g=3.467
2/2 [==============================] - 0s 7ms/step
>17, 434/468, d=0.236, g=1.927
2/2 [==============================] - 0s 10ms/step
>17, 435/468, d=0.205, g=1.554
2/2 [==============================] - 0s 17ms/step
>17, 436/468, d=0.336, g=1.063
2/2 [==============================] - 0s 5ms/step
>17, 437/468, d=0.203, g=3.302
2/2 [==============================] - 0s 5ms/step
>17, 438/468, d=0.257, g=2.725
2/2 [==============================] - 0s 6ms/step
>17, 439/468, d=0.339, g=1.840
2/2 [==============================] - 0s 5ms/step
>17, 440/468, d=0.304, g=6.276
2/2 [==============================] - 0s 5ms/step
>17, 441/468, d=0.222, g=3.894
2/2 [==============================] - 0s 6ms/step
>17, 442/468, d=0.186, g=2.208
2/2 [==============================] - 0s 6ms/step
>17, 443/468, d=0.245, g=1.468
2/2 [==============================] - 0s 6ms/step
>17, 444/468, d=0.221, g=2.984
2/2 [==============================] - 0s 11ms/step
>17, 445/468, d=0.287, g=2.831
2/2 [==============================] - 0s 12ms/step
>17, 446/468, d=0.311, g=0.626
2/2 [==============================] - 0s 6ms/step
>17, 447/468, d=0.453, g=4.863
2/2 [==============================] - 0s 6ms/step
>17, 448/468, d=0.457, g=1.876
2/2 [==============================] - 0s 11ms/step
>17, 449/468, d=0.307, g=0.271
2/2 [==============================] - 0s 9ms/step
>17, 450/468, d=0.248, g=1.924
2/2 [==============================] - 0s 8ms/step
>17, 451/468, d=0.390, g=4.744
2/2 [==============================] - 0s 5ms/step
>17, 452/468, d=0.314, g=4.659
2/2 [==============================] - 0s 12ms/step
>17, 453/468, d=0.268, g=3.942
2/2 [==============================] - 0s 9ms/step
>17, 454/468, d=0.262, g=4.455
2/2 [==============================] - 0s 6ms/step
>17, 455/468, d=0.273, g=4.353
2/2 [==============================] - 0s 7ms/step
>17, 456/468, d=0.246, g=5.293
2/2 [==============================] - 0s 6ms/step
>17, 457/468, d=0.359, g=3.184
2/2 [==============================] - 0s 11ms/step
>17, 458/468, d=0.283, g=1.061
2/2 [==============================] - 0s 7ms/step
>17, 459/468, d=0.299, g=1.557
2/2 [==============================] - 0s 11ms/step
>17, 460/468, d=0.334, g=2.407
2/2 [==============================] - 0s 6ms/step
```

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>17, 461/468, d=0.233, g=4.635
2/2 [==============================] - 0s 9ms/step
>17, 462/468, d=0.308, g=1.987
2/2 [==============================] - 0s 10ms/step
>17, 463/468, d=0.236, g=0.529
2/2 [==============================] - 0s 12ms/step
>17, 464/468, d=0.164, g=0.459
2/2 [==============================] - 0s 7ms/step
>17, 465/468, d=0.235, g=2.188
2/2 [==============================] - 0s 12ms/step
>17, 466/468, d=0.218, g=2.823
2/2 [==============================] - 0s 8ms/step
>17, 467/468, d=0.294, g=1.810
2/2 [==============================] - 0s 5ms/step
>17, 468/468, d=0.253, g=5.192
2/2 [==============================] - 0s 8ms/step
>18, 1/468, d=0.280, g=4.865
2/2 [==============================] - 0s 7ms/step
>18, 2/468, d=0.373, g=3.855
2/2 [==============================] - 0s 10ms/step
>18, 3/468, d=0.297, g=2.248
2/2 [==============================] - 0s 5ms/step
>18, 4/468, d=0.372, g=3.918
2/2 [==============================] - 0s 6ms/step
>18, 5/468, d=0.280, g=5.478
2/2 [==============================] - 0s 6ms/step
>18, 6/468, d=0.311, g=3.671
2/2 [==============================] - 0s 9ms/step
>18, 7/468, d=0.341, g=2.738
2/2 [==============================] - 0s 6ms/step
>18, 8/468, d=0.239, g=3.557
2/2 [==============================] - 0s 13ms/step
>18, 9/468, d=0.335, g=3.988
2/2 [==============================] - 0s 5ms/step
>18, 10/468, d=0.392, g=1.842
2/2 [==============================] - 0s 6ms/step
>18, 11/468, d=0.250, g=2.337
2/2 [==============================] - 0s 4ms/step
>18, 12/468, d=0.353, g=2.662
2/2 [==============================] - 0s 8ms/step
>18, 13/468, d=0.365, g=6.768
2/2 [==============================] - 0s 10ms/step
>18, 14/468, d=0.315, g=12.373
2/2 [==============================] - 0s 5ms/step
>18, 15/468, d=0.191, g=8.223
2/2 [==============================] - 0s 10ms/step
>18, 16/468, d=0.311, g=6.252
2/2 [==============================] - 0s 11ms/step
>18, 17/468, d=0.199, g=3.398
2/2 [==============================] - 0s 7ms/step
>18, 18/468, d=0.218, g=2.558
2/2 [==============================] - 0s 4ms/step
>18, 19/468, d=0.150, g=1.942
2/2 [==============================] - 0s 4ms/step
>18, 20/468, d=0.056, g=1.588
2/2 [==============================] - 0s 10ms/step
>18, 21/468, d=0.175, g=2.141
2/2 [==============================] - 0s 5ms/step
>18, 22/468, d=0.505, g=7.973
2/2 [==============================] - 0s 6ms/step
>18, 23/468, d=0.419, g=7.832
2/2 [==============================] - 0s 7ms/step
>18, 24/468, d=0.365, g=1.113
2/2 [==============================] - 0s 16ms/step
```

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>18, 25/468, d=0.154, g=0.436
2/2 [==============================] - 0s 8ms/step
>18, 26/468, d=0.221, g=0.398
2/2 [==============================] - 0s 5ms/step
>18, 27/468, d=0.102, g=0.480
2/2 [==============================] - 0s 16ms/step
>18, 28/468, d=0.130, g=0.489
2/2 [==============================] - 0s 7ms/step
>18, 29/468, d=0.155, g=0.937
2/2 [==============================] - 0s 6ms/step
>18, 30/468, d=0.224, g=4.055
2/2 [==============================] - 0s 11ms/step
>18, 31/468, d=0.295, g=3.745
2/2 [==============================] - 0s 14ms/step
>18, 32/468, d=0.216, g=5.266
2/2 [==============================] - 0s 5ms/step
>18, 33/468, d=0.285, g=4.924
2/2 [==============================] - 0s 6ms/step
>18, 34/468, d=0.267, g=4.086
2/2 [==============================] - 0s 7ms/step
>18, 35/468, d=0.249, g=5.707
2/2 [==============================] - 0s 5ms/step
>18, 36/468, d=0.347, g=1.551
2/2 [==============================] - 0s 4ms/step
>18, 37/468, d=0.351, g=4.140
2/2 [==============================] - 0s 10ms/step
>18, 38/468, d=0.274, g=3.559
2/2 [==============================] - 0s 12ms/step
>18, 39/468, d=0.280, g=4.518
2/2 [==============================] - 0s 14ms/step
>18, 40/468, d=0.262, g=3.256
2/2 [==============================] - 0s 7ms/step
>18, 41/468, d=0.251, g=3.290
2/2 [==============================] - 0s 13ms/step
>18, 42/468, d=0.222, g=3.127
2/2 [==============================] - 0s 5ms/step
>18, 43/468, d=0.243, g=3.414
2/2 [==============================] - 0s 7ms/step
>18, 44/468, d=0.278, g=5.568
2/2 [==============================] - 0s 7ms/step
>18, 45/468, d=0.343, g=2.920
2/2 [==============================] - 0s 12ms/step
>18, 46/468, d=0.324, g=4.783
2/2 [==============================] - 0s 7ms/step
>18, 47/468, d=0.241, g=5.135
2/2 [==============================] - 0s 17ms/step
>18, 48/468, d=0.175, g=4.203
2/2 [==============================] - 0s 11ms/step
>18, 49/468, d=0.325, g=2.215
2/2 [==============================] - 0s 12ms/step
>18, 50/468, d=0.370, g=5.912
2/2 [==============================] - 0s 5ms/step
>18, 51/468, d=0.323, g=3.942
2/2 [==============================] - 0s 7ms/step
>18, 52/468, d=0.240, g=2.858
2/2 [==============================] - 0s 8ms/step
>18, 53/468, d=0.276, g=3.901
2/2 [==============================] - 0s 7ms/step
>18, 54/468, d=0.294, g=3.310
2/2 [==============================] - 0s 8ms/step
>18, 55/468, d=0.203, g=2.098
2/2 [==============================] - 0s 13ms/step
>18, 56/468, d=0.198, g=1.340
2/2 [==============================] - 0s 14ms/step
```

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>18, 57/468, d=0.232, g=1.832
2/2 [==============================] - 0s 6ms/step
>18, 58/468, d=0.273, g=1.424
2/2 [==============================] - 0s 4ms/step
>18, 59/468, d=0.295, g=3.369
2/2 [==============================] - 0s 5ms/step
>18, 60/468, d=0.222, g=3.532
2/2 [==============================] - 0s 4ms/step
>18, 61/468, d=0.212, g=3.886
2/2 [==============================] - 0s 10ms/step
>18, 62/468, d=0.228, g=3.949
2/2 [==============================] - 0s 7ms/step
>18, 63/468, d=0.235, g=3.185
2/2 [==============================] - 0s 4ms/step
>18, 64/468, d=0.255, g=3.187
2/2 [==============================] - 0s 6ms/step
>18, 65/468, d=0.228, g=4.386
2/2 [==============================] - 0s 11ms/step
>18, 66/468, d=0.388, g=2.233
2/2 [==============================] - 0s 10ms/step
>18, 67/468, d=0.318, g=3.205
2/2 [==============================] - 0s 5ms/step
>18, 68/468, d=0.231, g=1.284
2/2 [==============================] - 0s 7ms/step
>18, 69/468, d=0.342, g=1.959
2/2 [==============================] - 0s 5ms/step
>18, 70/468, d=0.267, g=2.390
2/2 [==============================] - 0s 5ms/step
>18, 71/468, d=0.371, g=7.685
2/2 [==============================] - 0s 6ms/step
>18, 72/468, d=0.455, g=1.989
2/2 [==============================] - 0s 5ms/step
>18, 73/468, d=0.208, g=1.626
2/2 [==============================] - 0s 7ms/step
>18, 74/468, d=0.276, g=5.015
2/2 [==============================] - 0s 10ms/step
>18, 75/468, d=0.184, g=4.533
2/2 [==============================] - 0s 4ms/step
>18, 76/468, d=0.364, g=3.297
2/2 [==============================] - 0s 5ms/step
>18, 77/468, d=0.260, g=1.812
2/2 [==============================] - 0s 12ms/step
>18, 78/468, d=0.311, g=4.072
2/2 [==============================] - 0s 7ms/step
>18, 79/468, d=0.298, g=2.865
2/2 [==============================] - 0s 10ms/step
>18, 80/468, d=0.356, g=4.319
2/2 [==============================] - 0s 6ms/step
>18, 81/468, d=0.249, g=3.061
2/2 [==============================] - 0s 5ms/step
>18, 82/468, d=0.338, g=0.294
2/2 [==============================] - 0s 6ms/step
>18, 83/468, d=0.289, g=0.645
2/2 [==============================] - 0s 6ms/step
>18, 84/468, d=0.253, g=1.946
2/2 [==============================] - 0s 5ms/step
>18, 85/468, d=0.206, g=1.532
2/2 [==============================] - 0s 6ms/step
>18, 86/468, d=0.287, g=2.245
2/2 [==============================] - 0s 13ms/step
>18, 87/468, d=0.288, g=2.867
2/2 [==============================] - 0s 9ms/step
>18, 88/468, d=0.320, g=5.058
2/2 [==============================] - 0s 5ms/step
```

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>18, 89/468, d=0.340, g=3.914
2/2 [==============================] - 0s 4ms/step
>18, 90/468, d=0.206, g=3.926
2/2 [==============================] - 0s 13ms/step
>18, 91/468, d=0.256, g=4.496
2/2 [==============================] - 0s 6ms/step
>18, 92/468, d=0.346, g=3.930
2/2 [==============================] - 0s 6ms/step
>18, 93/468, d=0.262, g=5.353
2/2 [==============================] - 0s 6ms/step
>18, 94/468, d=0.292, g=4.149
2/2 [==============================] - 0s 11ms/step
>18, 95/468, d=0.232, g=5.146
2/2 [==============================] - 0s 7ms/step
>18, 96/468, d=0.290, g=3.935
2/2 [==============================] - 0s 6ms/step
>18, 97/468, d=0.245, g=4.370
2/2 [==============================] - 0s 13ms/step
>18, 98/468, d=0.200, g=3.744
2/2 [==============================] - 0s 11ms/step
>18, 99/468, d=0.245, g=3.414
2/2 [==============================] - 0s 9ms/step
>18, 100/468, d=0.184, g=4.134
2/2 [==============================] - 0s 11ms/step
>18, 101/468, d=0.233, g=3.939
2/2 [==============================] - 0s 6ms/step
>18, 102/468, d=0.181, g=4.009
2/2 [==============================] - 0s 8ms/step
>18, 103/468, d=0.253, g=5.388
2/2 [==============================] - 0s 6ms/step
>18, 104/468, d=0.334, g=3.164
2/2 [==============================] - 0s 8ms/step
>18, 105/468, d=0.232, g=1.548
2/2 [==============================] - 0s 18ms/step
>18, 106/468, d=0.312, g=3.577
2/2 [==============================] - 0s 7ms/step
>18, 107/468, d=0.394, g=3.483
2/2 [==============================] - 0s 12ms/step
>18, 108/468, d=0.276, g=1.369
2/2 [==============================] - 0s 7ms/step
>18, 109/468, d=0.249, g=1.814
2/2 [==============================] - 0s 17ms/step
>18, 110/468, d=0.313, g=1.246
2/2 [==============================] - 0s 5ms/step
>18, 111/468, d=0.281, g=3.308
2/2 [==============================] - 0s 5ms/step
>18, 112/468, d=0.371, g=3.482
2/2 [==============================] - 0s 9ms/step
>18, 113/468, d=0.234, g=2.324
2/2 [==============================] - 0s 7ms/step
>18, 114/468, d=0.289, g=2.015
2/2 [==============================] - 0s 7ms/step
>18, 115/468, d=0.301, g=4.339
2/2 [==============================] - 0s 4ms/step
>18, 116/468, d=0.289, g=3.037
2/2 [==============================] - 0s 6ms/step
>18, 117/468, d=0.319, g=0.890
2/2 [==============================] - 0s 13ms/step
>18, 118/468, d=0.395, g=3.392
2/2 [==============================] - 0s 7ms/step
>18, 119/468, d=0.425, g=3.730
2/2 [==============================] - 0s 7ms/step
>18, 120/468, d=0.381, g=7.832
2/2 [==============================] - 0s 7ms/step
```

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>18, 121/468, d=0.262, g=7.238
2/2 [==============================] - 0s 15ms/step
>18, 122/468, d=0.209, g=4.210
2/2 [==============================] - 0s 6ms/step
>18, 123/468, d=0.308, g=1.524
2/2 [==============================] - 0s 12ms/step
>18, 124/468, d=0.298, g=2.370
2/2 [==============================] - 0s 5ms/step
>18, 125/468, d=0.268, g=1.862
2/2 [==============================] - 0s 6ms/step
>18, 126/468, d=0.254, g=2.176
2/2 [==============================] - 0s 9ms/step
>18, 127/468, d=0.361, g=7.280
2/2 [==============================] - 0s 5ms/step
>18, 128/468, d=0.459, g=2.364
2/2 [==============================] - 0s 7ms/step
>18, 129/468, d=0.177, g=1.252
2/2 [==============================] - 0s 6ms/step
>18, 130/468, d=0.373, g=4.591
2/2 [==============================] - 0s 5ms/step
>18, 131/468, d=0.439, g=5.754
2/2 [==============================] - 0s 7ms/step
>18, 132/468, d=0.299, g=1.806
2/2 [==============================] - 0s 7ms/step
>18, 133/468, d=0.283, g=2.312
2/2 [==============================] - 0s 12ms/step
>18, 134/468, d=0.242, g=3.338
2/2 [==============================] - 0s 7ms/step
>18, 135/468, d=0.439, g=4.855
2/2 [==============================] - 0s 5ms/step
>18, 136/468, d=0.304, g=3.150
2/2 [==============================] - 0s 10ms/step
>18, 137/468, d=0.278, g=2.463
2/2 [==============================] - 0s 6ms/step
>18, 138/468, d=0.234, g=1.796
2/2 [==============================] - 0s 9ms/step
>18, 139/468, d=0.229, g=1.704
2/2 [==============================] - 0s 10ms/step
>18, 140/468, d=0.274, g=2.795
2/2 [==============================] - 0s 11ms/step
>18, 141/468, d=0.161, g=3.246
2/2 [==============================] - 0s 6ms/step
>18, 142/468, d=0.316, g=4.127
2/2 [==============================] - 0s 9ms/step
>18, 143/468, d=0.237, g=4.287
2/2 [==============================] - 0s 6ms/step
>18, 144/468, d=0.240, g=1.870
2/2 [==============================] - 0s 4ms/step
>18, 145/468, d=0.245, g=1.565
2/2 [==============================] - 0s 7ms/step
>18, 146/468, d=0.328, g=2.232
2/2 [==============================] - 0s 12ms/step
>18, 147/468, d=0.259, g=3.194
2/2 [==============================] - 0s 8ms/step
>18, 148/468, d=0.284, g=6.031
2/2 [==============================] - 0s 5ms/step
>18, 149/468, d=0.404, g=4.500
2/2 [==============================] - 0s 5ms/step
>18, 150/468, d=0.244, g=3.626
2/2 [==============================] - 0s 7ms/step
>18, 151/468, d=0.238, g=4.462
2/2 [==============================] - 0s 11ms/step
>18, 152/468, d=0.192, g=4.405
2/2 [==============================] - 0s 5ms/step
```

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>18, 153/468, d=0.223, g=4.500
2/2 [==============================] - 0s 7ms/step
>18, 154/468, d=0.242, g=4.731
2/2 [==============================] - 0s 8ms/step
>18, 155/468, d=0.210, g=2.941
2/2 [==============================] - 0s 6ms/step
>18, 156/468, d=0.189, g=1.959
2/2 [==============================] - 0s 14ms/step
>18, 157/468, d=0.251, g=3.311
2/2 [==============================] - 0s 5ms/step
>18, 158/468, d=0.229, g=3.994
2/2 [==============================] - 0s 5ms/step
>18, 159/468, d=0.310, g=2.300
2/2 [==============================] - 0s 15ms/step
>18, 160/468, d=0.290, g=3.223
2/2 [==============================] - 0s 6ms/step
>18, 161/468, d=0.295, g=1.812
2/2 [==============================] - 0s 8ms/step
>18, 162/468, d=0.316, g=2.223
2/2 [==============================] - 0s 8ms/step
>18, 163/468, d=0.205, g=1.466
2/2 [==============================] - 0s 15ms/step
>18, 164/468, d=0.233, g=0.646
2/2 [==============================] - 0s 5ms/step
>18, 165/468, d=0.183, g=0.901
2/2 [==============================] - 0s 7ms/step
>18, 166/468, d=0.270, g=2.423
2/2 [==============================] - 0s 5ms/step
>18, 167/468, d=0.223, g=3.617
2/2 [==============================] - 0s 5ms/step
>18, 168/468, d=0.251, g=4.096
2/2 [==============================] - 0s 10ms/step
>18, 169/468, d=0.346, g=6.697
2/2 [==============================] - 0s 5ms/step
>18, 170/468, d=0.236, g=4.112
2/2 [==============================] - 0s 5ms/step
>18, 171/468, d=0.200, g=1.040
2/2 [==============================] - 0s 9ms/step
>18, 172/468, d=0.196, g=0.506
2/2 [==============================] - 0s 19ms/step
>18, 173/468, d=0.299, g=1.554
2/2 [==============================] - 0s 8ms/step
>18, 174/468, d=0.258, g=2.218
2/2 [==============================] - 0s 11ms/step
>18, 175/468, d=0.297, g=8.804
2/2 [==============================] - 0s 5ms/step
>18, 176/468, d=0.330, g=5.760
2/2 [==============================] - 0s 16ms/step
>18, 177/468, d=0.233, g=2.717
2/2 [==============================] - 0s 5ms/step
>18, 178/468, d=0.260, g=2.711
2/2 [==============================] - 0s 10ms/step
>18, 179/468, d=0.218, g=4.442
2/2 [==============================] - 0s 6ms/step
>18, 180/468, d=0.259, g=5.968
2/2 [==============================] - 0s 23ms/step
>18, 181/468, d=0.324, g=8.853
2/2 [==============================] - 0s 6ms/step
>18, 182/468, d=0.438, g=2.085
2/2 [==============================] - 0s 13ms/step
>18, 183/468, d=0.308, g=1.353
2/2 [==============================] - 0s 7ms/step
>18, 184/468, d=0.226, g=2.413
2/2 [==============================] - 0s 10ms/step
```

```
>18, 185/468, d=0.299, g=3.090
2/2 [==============================] - 0s 13ms/step
>18, 186/468, d=0.256, g=3.527
2/2 [==============================] - 0s 17ms/step
>18, 187/468, d=0.292, g=2.333
2/2 [==============================] - 0s 9ms/step
>18, 188/468, d=0.258, g=4.070
2/2 [==============================] - 0s 8ms/step
>18, 189/468, d=0.264, g=3.484
2/2 [==============================] - 0s 11ms/step
>18, 190/468, d=0.248, g=2.354
2/2 [==============================] - 0s 15ms/step
>18, 191/468, d=0.217, g=1.588
2/2 [==============================] - 0s 18ms/step
>18, 192/468, d=0.291, g=3.532
2/2 [==============================] - 0s 4ms/step
>18, 193/468, d=0.261, g=2.286
2/2 [==============================] - 0s 7ms/step
>18, 194/468, d=0.355, g=3.114
2/2 [==============================] - 0s 10ms/step
>18, 195/468, d=0.233, g=4.150
2/2 [==============================] - 0s 4ms/step
>18, 196/468, d=0.127, g=4.325
2/2 [==============================] - 0s 4ms/step
>18, 197/468, d=0.261, g=2.676
2/2 [==============================] - 0s 7ms/step
>18, 198/468, d=0.209, g=2.556
2/2 [==============================] - 0s 8ms/step
>18, 199/468, d=0.231, g=2.645
2/2 [==============================] - 0s 12ms/step
>18, 200/468, d=0.365, g=4.559
2/2 [==============================] - 0s 11ms/step
>18, 201/468, d=0.151, g=4.874
2/2 [==============================] - 0s 13ms/step
>18, 202/468, d=0.210, g=5.560
2/2 [==============================] - 0s 14ms/step
>18, 203/468, d=0.338, g=3.989
2/2 [==============================] - 0s 4ms/step
>18, 204/468, d=0.248, g=3.641
2/2 [==============================] - 0s 13ms/step
>18, 205/468, d=0.271, g=4.644
2/2 [==============================] - 0s 12ms/step
>18, 206/468, d=0.313, g=3.886
2/2 [==============================] - 0s 5ms/step
>18, 207/468, d=0.249, g=1.576
2/2 [==============================] - 0s 6ms/step
>18, 208/468, d=0.299, g=2.016
2/2 [==============================] - 0s 4ms/step
>18, 209/468, d=0.276, g=2.928
2/2 [==============================] - 0s 9ms/step
>18, 210/468, d=0.329, g=3.098
2/2 [==============================] - 0s 6ms/step
>18, 211/468, d=0.405, g=5.039
2/2 [==============================] - 0s 7ms/step
>18, 212/468, d=0.250, g=5.890
2/2 [==============================] - 0s 9ms/step
>18, 213/468, d=0.272, g=4.258
2/2 [==============================] - 0s 7ms/step
>18, 214/468, d=0.223, g=3.202
2/2 [==============================] - 0s 6ms/step
>18, 215/468, d=0.223, g=3.212
2/2 [==============================] - 0s 4ms/step
>18, 216/468, d=0.243, g=4.208
2/2 [==============================] - 0s 10ms/step
```

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>18, 217/468, d=0.210, g=3.503
2/2 [==============================] - 0s 13ms/step
>18, 218/468, d=0.225, g=3.872
2/2 [==============================] - 0s 10ms/step
>18, 219/468, d=0.266, g=2.053
2/2 [==============================] - 0s 5ms/step
>18, 220/468, d=0.247, g=1.301
2/2 [==============================] - 0s 5ms/step
>18, 221/468, d=0.289, g=1.908
2/2 [==============================] - 0s 7ms/step
>18, 222/468, d=0.209, g=1.037
2/2 [==============================] - 0s 8ms/step
>18, 223/468, d=0.173, g=1.577
2/2 [==============================] - 0s 8ms/step
>18, 224/468, d=0.252, g=1.270
2/2 [==============================] - 0s 6ms/step
>18, 225/468, d=0.195, g=2.738
2/2 [==============================] - 0s 9ms/step
>18, 226/468, d=0.288, g=2.097
2/2 [==============================] - 0s 8ms/step
>18, 227/468, d=0.180, g=2.154
2/2 [==============================] - 0s 7ms/step
>18, 228/468, d=0.271, g=2.692
2/2 [==============================] - 0s 5ms/step
>18, 229/468, d=0.308, g=4.658
2/2 [==============================] - 0s 5ms/step
>18, 230/468, d=0.264, g=6.610
2/2 [==============================] - 0s 10ms/step
>18, 231/468, d=0.361, g=3.449
2/2 [==============================] - 0s 13ms/step
>18, 232/468, d=0.297, g=2.249
2/2 [==============================] - 0s 11ms/step
>18, 233/468, d=0.228, g=3.115
2/2 [==============================] - 0s 6ms/step
>18, 234/468, d=0.298, g=5.062
2/2 [==============================] - 0s 9ms/step
>18, 235/468, d=0.235, g=3.233
2/2 [==============================] - 0s 5ms/step
>18, 236/468, d=0.172, g=2.730
2/2 [==============================] - 0s 9ms/step
>18, 237/468, d=0.287, g=2.023
2/2 [==============================] - 0s 6ms/step
>18, 238/468, d=0.213, g=2.272
2/2 [==============================] - 0s 6ms/step
>18, 239/468, d=0.266, g=3.216
2/2 [==============================] - 0s 9ms/step
>18, 240/468, d=0.186, g=2.042
2/2 [==============================] - 0s 7ms/step
>18, 241/468, d=0.336, g=4.119
2/2 [==============================] - 0s 12ms/step
>18, 242/468, d=0.249, g=2.943
2/2 [==============================] - 0s 11ms/step
>18, 243/468, d=0.303, g=2.062
2/2 [==============================] - 0s 11ms/step
>18, 244/468, d=0.245, g=4.095
2/2 [==============================] - 0s 7ms/step
>18, 245/468, d=0.246, g=3.076
2/2 [==============================] - 0s 5ms/step
>18, 246/468, d=0.278, g=2.890
2/2 [==============================] - 0s 7ms/step
>18, 247/468, d=0.392, g=6.865
2/2 [==============================] - 0s 8ms/step
>18, 248/468, d=0.455, g=3.233
2/2 [==============================] - 0s 8ms/step
```

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>18, 249/468, d=0.322, g=2.333
2/2 [==============================] - 0s 5ms/step
>18, 250/468, d=0.410, g=4.976
2/2 [==============================] - 0s 7ms/step
>18, 251/468, d=0.368, g=2.538
2/2 [==============================] - 0s 7ms/step
>18, 252/468, d=0.238, g=1.000
2/2 [==============================] - 0s 6ms/step
>18, 253/468, d=0.327, g=3.203
2/2 [==============================] - 0s 8ms/step
>18, 254/468, d=0.214, g=4.192
2/2 [==============================] - 0s 5ms/step
>18, 255/468, d=0.242, g=2.871
2/2 [==============================] - 0s 6ms/step
>18, 256/468, d=0.373, g=1.109
2/2 [==============================] - 0s 5ms/step
>18, 257/468, d=0.135, g=1.613
2/2 [==============================] - 0s 6ms/step
>18, 258/468, d=0.290, g=2.876
2/2 [==============================] - 0s 8ms/step
>18, 259/468, d=0.252, g=3.147
2/2 [==============================] - 0s 4ms/step
>18, 260/468, d=0.262, g=6.755
2/2 [==============================] - 0s 12ms/step
>18, 261/468, d=0.324, g=5.478
2/2 [==============================] - 0s 10ms/step
>18, 262/468, d=0.263, g=4.245
2/2 [==============================] - 0s 6ms/step
>18, 263/468, d=0.328, g=4.861
2/2 [==============================] - 0s 12ms/step
>18, 264/468, d=0.243, g=1.877
2/2 [==============================] - 0s 10ms/step
>18, 265/468, d=0.215, g=0.319
2/2 [==============================] - 0s 3ms/step
>18, 266/468, d=0.313, g=2.028
2/2 [==============================] - 0s 9ms/step
>18, 267/468, d=0.232, g=2.931
2/2 [==============================] - 0s 5ms/step
>18, 268/468, d=0.252, g=4.268
2/2 [==============================] - 0s 15ms/step
>18, 269/468, d=0.363, g=8.225
2/2 [==============================] - 0s 7ms/step
>18, 270/468, d=0.503, g=4.173
2/2 [==============================] - 0s 5ms/step
>18, 271/468, d=0.207, g=3.299
2/2 [==============================] - 0s 6ms/step
>18, 272/468, d=0.284, g=4.555
2/2 [==============================] - 0s 16ms/step
>18, 273/468, d=0.277, g=3.707
2/2 [==============================] - 0s 5ms/step
>18, 274/468, d=0.239, g=2.737
2/2 [==============================] - 0s 7ms/step
>18, 275/468, d=0.213, g=1.860
2/2 [==============================] - 0s 5ms/step
>18, 276/468, d=0.444, g=6.676
2/2 [==============================] - 0s 8ms/step
>18, 277/468, d=0.434, g=3.590
2/2 [==============================] - 0s 5ms/step
>18, 278/468, d=0.270, g=1.492
2/2 [==============================] - 0s 6ms/step
>18, 279/468, d=0.312, g=2.361
2/2 [==============================] - 0s 17ms/step
>18, 280/468, d=0.283, g=5.612
2/2 [==============================] - 0s 7ms/step
```

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>18, 281/468, d=0.346, g=3.665
2/2 [==============================] - 0s 6ms/step
>18, 282/468, d=0.244, g=2.915
2/2 [==============================] - 0s 15ms/step
>18, 283/468, d=0.226, g=3.125
2/2 [==============================] - 0s 11ms/step
>18, 284/468, d=0.268, g=0.973
2/2 [==============================] - 0s 11ms/step
>18, 285/468, d=0.284, g=1.473
2/2 [==============================] - 0s 6ms/step
>18, 286/468, d=0.184, g=1.610
2/2 [==============================] - 0s 8ms/step
>18, 287/468, d=0.240, g=1.837
2/2 [==============================] - 0s 14ms/step
>18, 288/468, d=0.178, g=2.006
2/2 [==============================] - 0s 4ms/step
>18, 289/468, d=0.207, g=2.890
2/2 [==============================] - 0s 4ms/step
>18, 290/468, d=0.319, g=2.096
2/2 [==============================] - 0s 6ms/step
>18, 291/468, d=0.241, g=2.192
2/2 [==============================] - 0s 6ms/step
>18, 292/468, d=0.211, g=2.499
2/2 [==============================] - 0s 13ms/step
>18, 293/468, d=0.275, g=2.795
2/2 [==============================] - 0s 5ms/step
>18, 294/468, d=0.273, g=4.524
2/2 [==============================] - 0s 11ms/step
>18, 295/468, d=0.419, g=0.823
2/2 [==============================] - 0s 12ms/step
>18, 296/468, d=0.278, g=1.233
2/2 [==============================] - 0s 5ms/step
>18, 297/468, d=0.233, g=3.360
2/2 [==============================] - 0s 9ms/step
>18, 298/468, d=0.263, g=2.933
2/2 [==============================] - 0s 5ms/step
>18, 299/468, d=0.313, g=1.960
2/2 [==============================] - 0s 9ms/step
>18, 300/468, d=0.275, g=3.321
2/2 [==============================] - 0s 5ms/step
>18, 301/468, d=0.258, g=5.408
2/2 [==============================] - 0s 5ms/step
>18, 302/468, d=0.382, g=3.485
2/2 [==============================] - 0s 5ms/step
>18, 303/468, d=0.291, g=4.792
2/2 [==============================] - 0s 11ms/step
>18, 304/468, d=0.216, g=4.011
2/2 [==============================] - 0s 7ms/step
>18, 305/468, d=0.271, g=3.700
2/2 [==============================] - 0s 5ms/step
>18, 306/468, d=0.431, g=1.631
2/2 [==============================] - 0s 9ms/step
>18, 307/468, d=0.275, g=3.031
2/2 [==============================] - 0s 5ms/step
>18, 308/468, d=0.237, g=3.016
2/2 [==============================] - 0s 7ms/step
>18, 309/468, d=0.418, g=3.603
2/2 [==============================] - 0s 10ms/step
>18, 310/468, d=0.356, g=2.879
2/2 [==============================] - 0s 6ms/step
>18, 311/468, d=0.169, g=2.836
2/2 [==============================] - 0s 4ms/step
>18, 312/468, d=0.242, g=2.008
2/2 [==============================] - 0s 6ms/step
```

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>18, 313/468, d=0.189, g=2.181
2/2 [==============================] - 0s 12ms/step
>18, 314/468, d=0.231, g=2.841
2/2 [==============================] - 0s 5ms/step
>18, 315/468, d=0.193, g=3.688
2/2 [==============================] - 0s 7ms/step
>18, 316/468, d=0.217, g=4.464
2/2 [==============================] - 0s 11ms/step
>18, 317/468, d=0.213, g=5.038
2/2 [==============================] - 0s 5ms/step
>18, 318/468, d=0.249, g=1.189
2/2 [==============================] - 0s 6ms/step
>18, 319/468, d=0.377, g=4.986
2/2 [==============================] - 0s 10ms/step
>18, 320/468, d=0.291, g=2.150
2/2 [==============================] - 0s 12ms/step
>18, 321/468, d=0.200, g=1.650
2/2 [==============================] - 0s 10ms/step
>18, 322/468, d=0.334, g=2.860
2/2 [==============================] - 0s 7ms/step
>18, 323/468, d=0.201, g=4.499
2/2 [==============================] - 0s 5ms/step
>18, 324/468, d=0.277, g=4.524
2/2 [==============================] - 0s 13ms/step
>18, 325/468, d=0.268, g=4.911
2/2 [==============================] - 0s 6ms/step
>18, 326/468, d=0.318, g=5.498
2/2 [==============================] - 0s 6ms/step
>18, 327/468, d=0.348, g=2.334
2/2 [==============================] - 0s 7ms/step
>18, 328/468, d=0.355, g=3.498
2/2 [==============================] - 0s 5ms/step
>18, 329/468, d=0.326, g=7.157
2/2 [==============================] - 0s 4ms/step
>18, 330/468, d=0.251, g=4.052
2/2 [==============================] - 0s 11ms/step
>18, 331/468, d=0.239, g=1.970
2/2 [==============================] - 0s 7ms/step
>18, 332/468, d=0.167, g=2.251
2/2 [==============================] - 0s 6ms/step
>18, 333/468, d=0.203, g=1.522
2/2 [==============================] - 0s 14ms/step
>18, 334/468, d=0.225, g=5.940
2/2 [==============================] - 0s 10ms/step
>18, 335/468, d=0.191, g=6.538
2/2 [==============================] - 0s 6ms/step
>18, 336/468, d=0.173, g=4.674
2/2 [==============================] - 0s 10ms/step
>18, 337/468, d=0.259, g=2.291
2/2 [==============================] - 0s 15ms/step
>18, 338/468, d=0.243, g=1.032
2/2 [==============================] - 0s 10ms/step
>18, 339/468, d=0.226, g=0.904
2/2 [==============================] - 0s 11ms/step
>18, 340/468, d=0.217, g=1.792
2/2 [==============================] - 0s 10ms/step
>18, 341/468, d=0.238, g=3.978
2/2 [==============================] - 0s 6ms/step
>18, 342/468, d=0.178, g=4.950
2/2 [==============================] - 0s 6ms/step
>18, 343/468, d=0.214, g=3.031
2/2 [==============================] - 0s 6ms/step
>18, 344/468, d=0.273, g=2.404
2/2 [==============================] - 0s 5ms/step
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>18, 345/468, d=0.251, g=0.808
2/2 [==============================] - 0s 6ms/step
>18, 346/468, d=0.223, g=2.124
2/2 [==============================] - 0s 9ms/step
>18, 347/468, d=0.287, g=4.480
2/2 [==============================] - 0s 13ms/step
>18, 348/468, d=0.298, g=3.291
2/2 [==============================] - 0s 6ms/step
>18, 349/468, d=0.209, g=2.497
2/2 [==============================] - 0s 11ms/step
>18, 350/468, d=0.225, g=2.836
2/2 [==============================] - 0s 8ms/step
>18, 351/468, d=0.265, g=4.430
2/2 [==============================] - 0s 9ms/step
>18, 352/468, d=0.266, g=3.333
2/2 [==============================] - 0s 10ms/step
>18, 353/468, d=0.326, g=0.891
2/2 [==============================] - 0s 13ms/step
>18, 354/468, d=0.287, g=1.759
2/2 [==============================] - 0s 4ms/step
>18, 355/468, d=0.274, g=4.049
2/2 [==============================] - 0s 5ms/step
>18, 356/468, d=0.251, g=2.669
2/2 [==============================] - 0s 7ms/step
>18, 357/468, d=0.200, g=1.818
2/2 [==============================] - 0s 5ms/step
>18, 358/468, d=0.269, g=3.667
2/2 [==============================] - 0s 14ms/step
>18, 359/468, d=0.192, g=4.147
2/2 [==============================] - 0s 7ms/step
>18, 360/468, d=0.297, g=3.331
2/2 [==============================] - 0s 9ms/step
>18, 361/468, d=0.331, g=6.366
2/2 [==============================] - 0s 6ms/step
>18, 362/468, d=0.241, g=6.583
2/2 [==============================] - 0s 6ms/step
>18, 363/468, d=0.237, g=4.364
2/2 [==============================] - 0s 8ms/step
>18, 364/468, d=0.221, g=5.067
2/2 [==============================] - 0s 10ms/step
>18, 365/468, d=0.266, g=5.283
2/2 [==============================] - 0s 10ms/step
>18, 366/468, d=0.236, g=2.985
2/2 [==============================] - 0s 11ms/step
>18, 367/468, d=0.349, g=6.438
2/2 [==============================] - 0s 6ms/step
>18, 368/468, d=0.239, g=2.543
2/2 [==============================] - 0s 7ms/step
>18, 369/468, d=0.310, g=0.823
2/2 [==============================] - 0s 10ms/step
>18, 370/468, d=0.193, g=2.406
2/2 [==============================] - 0s 6ms/step
>18, 371/468, d=0.354, g=3.434
2/2 [==============================] - 0s 4ms/step
>18, 372/468, d=0.309, g=2.996
2/2 [==============================] - 0s 6ms/step
>18, 373/468, d=0.280, g=8.603
2/2 [==============================] - 0s 10ms/step
>18, 374/468, d=0.379, g=4.127
2/2 [==============================] - 0s 6ms/step
>18, 375/468, d=0.233, g=0.941
2/2 [==============================] - 0s 10ms/step
>18, 376/468, d=0.309, g=1.888
2/2 [==============================] - 0s 10ms/step
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>18, 377/468, d=0.170, g=4.088
2/2 [==============================] - 0s 9ms/step
>18, 378/468, d=0.287, g=2.426
2/2 [==============================] - 0s 5ms/step
>18, 379/468, d=0.336, g=1.781
2/2 [==============================] - 0s 5ms/step
>18, 380/468, d=0.325, g=1.824
2/2 [==============================] - 0s 7ms/step
>18, 381/468, d=0.310, g=1.234
2/2 [==============================] - 0s 8ms/step
>18, 382/468, d=0.313, g=4.098
2/2 [==============================] - 0s 6ms/step
>18, 383/468, d=0.226, g=4.211
2/2 [==============================] - 0s 13ms/step
>18, 384/468, d=0.360, g=3.259
2/2 [==============================] - 0s 4ms/step
>18, 385/468, d=0.196, g=3.585
2/2 [==============================] - 0s 5ms/step
>18, 386/468, d=0.285, g=2.439
2/2 [==============================] - 0s 5ms/step
>18, 387/468, d=0.254, g=2.033
2/2 [==============================] - 0s 5ms/step
>18, 388/468, d=0.325, g=5.436
2/2 [==============================] - 0s 9ms/step
>18, 389/468, d=0.229, g=4.291
2/2 [==============================] - 0s 4ms/step
>18, 390/468, d=0.201, g=1.698
2/2 [==============================] - 0s 4ms/step
>18, 391/468, d=0.224, g=0.963
2/2 [==============================] - 0s 6ms/step
>18, 392/468, d=0.144, g=1.228
2/2 [==============================] - 0s 14ms/step
>18, 393/468, d=0.267, g=1.057
2/2 [==============================] - 0s 7ms/step
>18, 394/468, d=0.186, g=1.181
2/2 [==============================] - 0s 13ms/step
>18, 395/468, d=0.173, g=1.095
2/2 [==============================] - 0s 5ms/step
>18, 396/468, d=0.334, g=2.593
2/2 [==============================] - 0s 5ms/step
>18, 397/468, d=0.316, g=0.450
2/2 [==============================] - 0s 5ms/step
>18, 398/468, d=0.349, g=2.161
2/2 [==============================] - 0s 8ms/step
>18, 399/468, d=0.254, g=2.586
2/2 [==============================] - 0s 6ms/step
>18, 400/468, d=0.238, g=1.037
2/2 [==============================] - 0s 5ms/step
>18, 401/468, d=0.199, g=1.331
2/2 [==============================] - 0s 9ms/step
>18, 402/468, d=0.292, g=3.649
2/2 [==============================] - 0s 6ms/step
>18, 403/468, d=0.193, g=4.065
2/2 [==============================] - 0s 6ms/step
>18, 404/468, d=0.250, g=6.967
2/2 [==============================] - 0s 10ms/step
>18, 405/468, d=0.219, g=5.821
2/2 [==============================] - 0s 11ms/step
>18, 406/468, d=0.280, g=4.455
2/2 [==============================] - 0s 6ms/step
>18, 407/468, d=0.228, g=5.116
2/2 [==============================] - 0s 6ms/step
>18, 408/468, d=0.255, g=4.780
2/2 [==============================] - 0s 6ms/step
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>18, 409/468, d=0.247, g=3.901
2/2 [==============================] - 0s 4ms/step
>18, 410/468, d=0.345, g=4.262
2/2 [==============================] - 0s 5ms/step
>18, 411/468, d=0.296, g=3.554
2/2 [==============================] - 0s 9ms/step
>18, 412/468, d=0.189, g=1.284
2/2 [==============================] - 0s 13ms/step
>18, 413/468, d=0.257, g=1.869
2/2 [==============================] - 0s 12ms/step
>18, 414/468, d=0.433, g=0.502
2/2 [==============================] - 0s 5ms/step
>18, 415/468, d=0.225, g=2.132
2/2 [==============================] - 0s 15ms/step
>18, 416/468, d=0.226, g=3.642
2/2 [==============================] - 0s 7ms/step
>18, 417/468, d=0.269, g=1.693
2/2 [==============================] - 0s 7ms/step
>18, 418/468, d=0.266, g=3.179
2/2 [==============================] - 0s 6ms/step
>18, 419/468, d=0.278, g=4.342
2/2 [==============================] - 0s 5ms/step
>18, 420/468, d=0.273, g=4.844
2/2 [==============================] - 0s 5ms/step
>18, 421/468, d=0.230, g=4.450
2/2 [==============================] - 0s 7ms/step
>18, 422/468, d=0.304, g=0.766
2/2 [==============================] - 0s 9ms/step
>18, 423/468, d=0.245, g=1.125
2/2 [==============================] - 0s 8ms/step
>18, 424/468, d=0.274, g=0.936
2/2 [==============================] - 0s 5ms/step
>18, 425/468, d=0.308, g=3.513
2/2 [==============================] - 0s 11ms/step
>18, 426/468, d=0.228, g=3.648
2/2 [==============================] - 0s 11ms/step
>18, 427/468, d=0.244, g=1.689
2/2 [==============================] - 0s 6ms/step
>18, 428/468, d=0.247, g=1.399
2/2 [==============================] - 0s 7ms/step
>18, 429/468, d=0.311, g=4.116
2/2 [==============================] - 0s 6ms/step
>18, 430/468, d=0.165, g=3.437
2/2 [==============================] - 0s 8ms/step
>18, 431/468, d=0.204, g=3.713
2/2 [==============================] - 0s 6ms/step
>18, 432/468, d=0.174, g=3.441
2/2 [==============================] - 0s 12ms/step
>18, 433/468, d=0.256, g=1.696
2/2 [==============================] - 0s 4ms/step
>18, 434/468, d=0.392, g=0.482
2/2 [==============================] - 0s 6ms/step
>18, 435/468, d=0.244, g=3.307
2/2 [==============================] - 0s 4ms/step
>18, 436/468, d=0.266, g=3.226
2/2 [==============================] - 0s 4ms/step
>18, 437/468, d=0.218, g=4.689
2/2 [==============================] - 0s 5ms/step
>18, 438/468, d=0.170, g=4.180
2/2 [==============================] - 0s 4ms/step
>18, 439/468, d=0.247, g=3.349
2/2 [==============================] - 0s 10ms/step
>18, 440/468, d=0.282, g=1.309
2/2 [==============================] - 0s 7ms/step
```

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>18, 441/468, d=0.260, g=3.342
2/2 [==============================] - 0s 11ms/step
>18, 442/468, d=0.222, g=6.133
2/2 [==============================] - 0s 5ms/step
>18, 443/468, d=0.332, g=4.041
2/2 [==============================] - 0s 7ms/step
>18, 444/468, d=0.358, g=3.447
2/2 [==============================] - 0s 5ms/step
>18, 445/468, d=0.260, g=1.499
2/2 [==============================] - 0s 12ms/step
>18, 446/468, d=0.244, g=2.538
2/2 [==============================] - 0s 6ms/step
>18, 447/468, d=0.227, g=3.379
2/2 [==============================] - 0s 12ms/step
>18, 448/468, d=0.345, g=2.991
2/2 [==============================] - 0s 6ms/step
>18, 449/468, d=0.297, g=4.233
2/2 [==============================] - 0s 6ms/step
>18, 450/468, d=0.226, g=4.116
2/2 [==============================] - 0s 4ms/step
>18, 451/468, d=0.256, g=5.130
2/2 [==============================] - 0s 5ms/step
>18, 452/468, d=0.270, g=2.939
2/2 [==============================] - 0s 6ms/step
>18, 453/468, d=0.341, g=3.948
2/2 [==============================] - 0s 14ms/step
>18, 454/468, d=0.294, g=8.124
2/2 [==============================] - 0s 5ms/step
>18, 455/468, d=0.419, g=0.765
2/2 [==============================] - 0s 6ms/step
>18, 456/468, d=0.144, g=0.757
2/2 [==============================] - 0s 6ms/step
>18, 457/468, d=0.328, g=1.555
2/2 [==============================] - 0s 5ms/step
>18, 458/468, d=0.282, g=3.458
2/2 [==============================] - 0s 7ms/step
>18, 459/468, d=0.271, g=6.654
2/2 [==============================] - 0s 8ms/step
>18, 460/468, d=0.149, g=6.292
2/2 [==============================] - 0s 5ms/step
>18, 461/468, d=0.262, g=3.439
2/2 [==============================] - 0s 6ms/step
>18, 462/468, d=0.229, g=3.086
2/2 [==============================] - 0s 6ms/step
>18, 463/468, d=0.196, g=2.759
2/2 [==============================] - 0s 9ms/step
>18, 464/468, d=0.298, g=2.765
2/2 [==============================] - 0s 5ms/step
>18, 465/468, d=0.335, g=3.877
2/2 [==============================] - 0s 9ms/step
>18, 466/468, d=0.187, g=3.670
2/2 [==============================] - 0s 7ms/step
>18, 467/468, d=0.355, g=1.606
2/2 [==============================] - 0s 5ms/step
>18, 468/468, d=0.299, g=4.124
2/2 [==============================] - 0s 5ms/step
>19, 1/468, d=0.165, g=5.528
2/2 [==============================] - 0s 5ms/step
>19, 2/468, d=0.294, g=1.424
2/2 [==============================] - 0s 7ms/step
>19, 3/468, d=0.261, g=1.324
2/2 [==============================] - 0s 5ms/step
>19, 4/468, d=0.209, g=1.749
2/2 [==============================] - 0s 11ms/step
```

```
>19, 5/468, d=0.385, g=4.502
2/2 [==============================] - 0s 4ms/step
>19, 6/468, d=0.178, g=2.871
2/2 [==============================] - 0s 13ms/step
>19, 7/468, d=0.287, g=4.272
2/2 [==============================] - 0s 5ms/step
>19, 8/468, d=0.214, g=2.450
2/2 [==============================] - 0s 13ms/step
>19, 9/468, d=0.130, g=2.097
2/2 [==============================] - 0s 6ms/step
>19, 10/468, d=0.283, g=1.678
2/2 [==============================] - 0s 4ms/step
>19, 11/468, d=0.243, g=1.116
2/2 [==============================] - 0s 5ms/step
>19, 12/468, d=0.265, g=4.051
2/2 [==============================] - 0s 6ms/step
>19, 13/468, d=0.314, g=3.972
2/2 [==============================] - 0s 6ms/step
>19, 14/468, d=0.222, g=4.084
2/2 [==============================] - 0s 14ms/step
>19, 15/468, d=0.316, g=3.533
2/2 [==============================] - 0s 13ms/step
>19, 16/468, d=0.191, g=2.589
2/2 [==============================] - 0s 12ms/step
>19, 17/468, d=0.263, g=3.549
2/2 [==============================] - 0s 4ms/step
>19, 18/468, d=0.341, g=5.570
2/2 [==============================] - 0s 10ms/step
>19, 19/468, d=0.314, g=2.580
2/2 [==============================] - 0s 4ms/step
>19, 20/468, d=0.334, g=5.046
2/2 [==============================] - 0s 6ms/step
>19, 21/468, d=0.263, g=5.288
2/2 [==============================] - 0s 11ms/step
>19, 22/468, d=0.270, g=6.058
2/2 [==============================] - 0s 12ms/step
>19, 23/468, d=0.262, g=7.420
2/2 [==============================] - 0s 5ms/step
>19, 24/468, d=0.280, g=4.393
2/2 [==============================] - 0s 5ms/step
>19, 25/468, d=0.169, g=4.262
2/2 [==============================] - 0s 6ms/step
>19, 26/468, d=0.216, g=2.702
2/2 [==============================] - 0s 4ms/step
>19, 27/468, d=0.281, g=1.880
2/2 [==============================] - 0s 5ms/step
>19, 28/468, d=0.158, g=4.078
2/2 [==============================] - 0s 10ms/step
>19, 29/468, d=0.453, g=3.297
2/2 [==============================] - 0s 10ms/step
>19, 30/468, d=0.270, g=2.279
2/2 [==============================] - 0s 12ms/step
>19, 31/468, d=0.229, g=0.789
2/2 [==============================] - 0s 11ms/step
>19, 32/468, d=0.464, g=5.174
2/2 [==============================] - 0s 10ms/step
>19, 33/468, d=0.339, g=5.607
2/2 [==============================] - 0s 13ms/step
>19, 34/468, d=0.296, g=7.403
2/2 [==============================] - 0s 5ms/step
>19, 35/468, d=0.250, g=3.226
2/2 [==============================] - 0s 5ms/step
>19, 36/468, d=0.255, g=1.453
2/2 [==============================] - 0s 4ms/step
```

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>19, 37/468, d=0.142, g=0.566
2/2 [==============================] - 0s 10ms/step
>19, 38/468, d=0.267, g=0.880
2/2 [==============================] - 0s 14ms/step
>19, 39/468, d=0.234, g=2.327
2/2 [==============================] - 0s 10ms/step
>19, 40/468, d=0.224, g=2.100
2/2 [==============================] - 0s 4ms/step
>19, 41/468, d=0.275, g=2.646
2/2 [==============================] - 0s 6ms/step
>19, 42/468, d=0.249, g=2.150
2/2 [==============================] - 0s 16ms/step
>19, 43/468, d=0.292, g=1.625
2/2 [==============================] - 0s 7ms/step
>19, 44/468, d=0.269, g=4.923
2/2 [==============================] - 0s 7ms/step
>19, 45/468, d=0.293, g=5.638
2/2 [==============================] - 0s 11ms/step
>19, 46/468, d=0.251, g=2.552
2/2 [==============================] - 0s 9ms/step
>19, 47/468, d=0.261, g=1.059
2/2 [==============================] - 0s 13ms/step
>19, 48/468, d=0.291, g=1.149
2/2 [==============================] - 0s 5ms/step
>19, 49/468, d=0.369, g=3.844
2/2 [==============================] - 0s 5ms/step
>19, 50/468, d=0.124, g=4.153
2/2 [==============================] - 0s 6ms/step
>19, 51/468, d=0.202, g=3.439
2/2 [==============================] - 0s 9ms/step
>19, 52/468, d=0.252, g=2.537
2/2 [==============================] - 0s 9ms/step
>19, 53/468, d=0.285, g=3.278
2/2 [==============================] - 0s 15ms/step
>19, 54/468, d=0.324, g=1.537
2/2 [==============================] - 0s 12ms/step
>19, 55/468, d=0.270, g=3.160
2/2 [==============================] - 0s 5ms/step
>19, 56/468, d=0.245, g=4.220
2/2 [==============================] - 0s 13ms/step
>19, 57/468, d=0.280, g=3.805
2/2 [==============================] - 0s 6ms/step
>19, 58/468, d=0.305, g=4.502
2/2 [==============================] - 0s 9ms/step
>19, 59/468, d=0.284, g=1.648
2/2 [==============================] - 0s 5ms/step
>19, 60/468, d=0.266, g=1.276
2/2 [==============================] - 0s 7ms/step
>19, 61/468, d=0.208, g=2.563
2/2 [==============================] - 0s 5ms/step
>19, 62/468, d=0.207, g=2.116
2/2 [==============================] - 0s 6ms/step
>19, 63/468, d=0.236, g=2.364
2/2 [==============================] - 0s 10ms/step
>19, 64/468, d=0.214, g=2.607
2/2 [==============================] - 0s 11ms/step
>19, 65/468, d=0.230, g=4.228
2/2 [==============================] - 0s 7ms/step
>19, 66/468, d=0.227, g=5.306
2/2 [==============================] - 0s 8ms/step
>19, 67/468, d=0.276, g=3.944
2/2 [==============================] - 0s 16ms/step
>19, 68/468, d=0.240, g=2.268
2/2 [==============================] - 0s 5ms/step
```

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>19, 69/468, d=0.251, g=2.669
2/2 [==============================] - 0s 7ms/step
>19, 70/468, d=0.230, g=2.941
2/2 [==============================] - 0s 6ms/step
>19, 71/468, d=0.303, g=2.141
2/2 [==============================] - 0s 5ms/step
>19, 72/468, d=0.254, g=4.324
2/2 [==============================] - 0s 5ms/step
>19, 73/468, d=0.376, g=4.379
2/2 [==============================] - 0s 5ms/step
>19, 74/468, d=0.290, g=1.328
2/2 [==============================] - 0s 5ms/step
>19, 75/468, d=0.293, g=3.565
2/2 [==============================] - 0s 8ms/step
>19, 76/468, d=0.292, g=4.626
2/2 [==============================] - 0s 11ms/step
>19, 77/468, d=0.178, g=3.623
2/2 [==============================] - 0s 9ms/step
>19, 78/468, d=0.224, g=4.636
2/2 [==============================] - 0s 5ms/step
>19, 79/468, d=0.246, g=3.626
2/2 [==============================] - 0s 8ms/step
>19, 80/468, d=0.348, g=2.382
2/2 [==============================] - 0s 8ms/step
>19, 81/468, d=0.350, g=3.746
2/2 [==============================] - 0s 7ms/step
>19, 82/468, d=0.269, g=6.376
2/2 [==============================] - 0s 14ms/step
>19, 83/468, d=0.225, g=6.200
2/2 [==============================] - 0s 13ms/step
>19, 84/468, d=0.275, g=3.234
2/2 [==============================] - 0s 6ms/step
>19, 85/468, d=0.269, g=2.026
2/2 [==============================] - 0s 6ms/step
>19, 86/468, d=0.269, g=0.703
2/2 [==============================] - 0s 6ms/step
>19, 87/468, d=0.192, g=0.219
2/2 [==============================] - 0s 10ms/step
>19, 88/468, d=0.241, g=0.642
2/2 [==============================] - 0s 9ms/step
>19, 89/468, d=0.305, g=3.091
2/2 [==============================] - 0s 13ms/step
>19, 90/468, d=0.177, g=3.321
2/2 [==============================] - 0s 7ms/step
>19, 91/468, d=0.303, g=3.768
2/2 [==============================] - 0s 11ms/step
>19, 92/468, d=0.303, g=3.407
2/2 [==============================] - 0s 9ms/step
>19, 93/468, d=0.227, g=3.248
2/2 [==============================] - 0s 6ms/step
>19, 94/468, d=0.234, g=2.466
2/2 [==============================] - 0s 6ms/step
>19, 95/468, d=0.262, g=2.653
2/2 [==============================] - 0s 6ms/step
>19, 96/468, d=0.295, g=2.072
2/2 [==============================] - 0s 12ms/step
>19, 97/468, d=0.234, g=2.841
2/2 [==============================] - 0s 8ms/step
>19, 98/468, d=0.317, g=7.162
2/2 [==============================] - 0s 5ms/step
>19, 99/468, d=0.301, g=3.655
2/2 [==============================] - 0s 5ms/step
>19, 100/468, d=0.237, g=1.517
2/2 [==============================] - 0s 8ms/step
```

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>19, 101/468, d=0.221, g=2.431
2/2 [==============================] - 0s 13ms/step
>19, 102/468, d=0.196, g=2.871
2/2 [==============================] - 0s 15ms/step
>19, 103/468, d=0.213, g=1.731
2/2 [==============================] - 0s 5ms/step
>19, 104/468, d=0.342, g=6.474
2/2 [==============================] - 0s 4ms/step
>19, 105/468, d=0.210, g=4.025
2/2 [==============================] - 0s 5ms/step
>19, 106/468, d=0.199, g=1.315
2/2 [==============================] - 0s 6ms/step
>19, 107/468, d=0.256, g=0.621
2/2 [==============================] - 0s 13ms/step
>19, 108/468, d=0.317, g=0.815
2/2 [==============================] - 0s 5ms/step
>19, 109/468, d=0.298, g=4.031
2/2 [==============================] - 0s 7ms/step
>19, 110/468, d=0.222, g=6.872
2/2 [==============================] - 0s 6ms/step
>19, 111/468, d=0.214, g=3.752
2/2 [==============================] - 0s 7ms/step
>19, 112/468, d=0.298, g=2.801
2/2 [==============================] - 0s 9ms/step
>19, 113/468, d=0.250, g=2.355
2/2 [==============================] - 0s 5ms/step
>19, 114/468, d=0.221, g=4.054
2/2 [==============================] - 0s 4ms/step
>19, 115/468, d=0.278, g=2.750
2/2 [==============================] - 0s 7ms/step
>19, 116/468, d=0.212, g=4.341
2/2 [==============================] - 0s 5ms/step
>19, 117/468, d=0.223, g=2.493
2/2 [==============================] - 0s 11ms/step
>19, 118/468, d=0.229, g=2.970
2/2 [==============================] - 0s 9ms/step
>19, 119/468, d=0.245, g=2.427
2/2 [==============================] - 0s 19ms/step
>19, 120/468, d=0.212, g=1.996
2/2 [==============================] - 0s 7ms/step
>19, 121/468, d=0.195, g=2.461
2/2 [==============================] - 0s 11ms/step
>19, 122/468, d=0.279, g=3.656
2/2 [==============================] - 0s 6ms/step
>19, 123/468, d=0.397, g=9.726
2/2 [==============================] - 0s 8ms/step
>19, 124/468, d=0.281, g=7.559
2/2 [==============================] - 0s 12ms/step
>19, 125/468, d=0.356, g=1.900
2/2 [==============================] - 0s 6ms/step
>19, 126/468, d=0.262, g=2.037
2/2 [==============================] - 0s 7ms/step
>19, 127/468, d=0.320, g=3.579
2/2 [==============================] - 0s 6ms/step
>19, 128/468, d=0.309, g=4.942
2/2 [==============================] - 0s 6ms/step
>19, 129/468, d=0.356, g=6.687
2/2 [==============================] - 0s 9ms/step
>19, 130/468, d=0.210, g=8.304
2/2 [==============================] - 0s 6ms/step
>19, 131/468, d=0.248, g=10.146
2/2 [==============================] - 0s 12ms/step
>19, 132/468, d=0.296, g=4.552
2/2 [==============================] - 0s 11ms/step
```

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>19, 133/468, d=0.324, g=0.524
2/2 [==============================] - 0s 5ms/step
>19, 134/468, d=0.169, g=1.353
2/2 [==============================] - 0s 8ms/step
>19, 135/468, d=0.098, g=2.055
2/2 [==============================] - 0s 7ms/step
>19, 136/468, d=0.337, g=5.057
2/2 [==============================] - 0s 14ms/step
>19, 137/468, d=0.194, g=3.688
2/2 [==============================] - 0s 6ms/step
>19, 138/468, d=0.279, g=1.853
2/2 [==============================] - 0s 8ms/step
>19, 139/468, d=0.310, g=4.038
2/2 [==============================] - 0s 6ms/step
>19, 140/468, d=0.246, g=4.537
2/2 [==============================] - 0s 8ms/step
>19, 141/468, d=0.281, g=5.621
2/2 [==============================] - 0s 6ms/step
>19, 142/468, d=0.220, g=7.269
2/2 [==============================] - 0s 16ms/step
>19, 143/468, d=0.309, g=5.664
2/2 [==============================] - 0s 7ms/step
>19, 144/468, d=0.197, g=4.662
2/2 [==============================] - 0s 13ms/step
>19, 145/468, d=0.125, g=4.328
2/2 [==============================] - 0s 8ms/step
>19, 146/468, d=0.266, g=4.716
2/2 [==============================] - 0s 5ms/step
>19, 147/468, d=0.325, g=4.620
2/2 [==============================] - 0s 5ms/step
>19, 148/468, d=0.197, g=4.563
2/2 [==============================] - 0s 12ms/step
>19, 149/468, d=0.205, g=4.448
2/2 [==============================] - 0s 7ms/step
>19, 150/468, d=0.201, g=3.779
2/2 [==============================] - 0s 5ms/step
>19, 151/468, d=0.254, g=4.517
2/2 [==============================] - 0s 5ms/step
>19, 152/468, d=0.170, g=2.891
2/2 [==============================] - 0s 5ms/step
>19, 153/468, d=0.183, g=1.849
2/2 [==============================] - 0s 5ms/step
>19, 154/468, d=0.208, g=1.307
2/2 [==============================] - 0s 18ms/step
>19, 155/468, d=0.288, g=3.304
2/2 [==============================] - 0s 5ms/step
>19, 156/468, d=0.235, g=3.247
2/2 [==============================] - 0s 5ms/step
>19, 157/468, d=0.330, g=0.642
2/2 [==============================] - 0s 5ms/step
>19, 158/468, d=0.282, g=2.522
2/2 [==============================] - 0s 21ms/step
>19, 159/468, d=0.247, g=4.372
2/2 [==============================] - 0s 5ms/step
>19, 160/468, d=0.267, g=2.095
2/2 [==============================] - 0s 11ms/step
>19, 161/468, d=0.247, g=2.416
2/2 [==============================] - 0s 8ms/step
>19, 162/468, d=0.259, g=3.822
2/2 [==============================] - 0s 7ms/step
>19, 163/468, d=0.336, g=3.968
2/2 [==============================] - 0s 7ms/step
>19, 164/468, d=0.247, g=1.883
2/2 [==============================] - 0s 5ms/step
```

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>19, 165/468, d=0.184, g=0.740
2/2 [==============================] - 0s 14ms/step
>19, 166/468, d=0.231, g=0.618
2/2 [==============================] - 0s 7ms/step
>19, 167/468, d=0.259, g=2.852
2/2 [==============================] - 0s 6ms/step
>19, 168/468, d=0.343, g=4.195
2/2 [==============================] - 0s 6ms/step
>19, 169/468, d=0.215, g=8.581
2/2 [==============================] - 0s 9ms/step
>19, 170/468, d=0.312, g=4.834
2/2 [==============================] - 0s 11ms/step
>19, 171/468, d=0.202, g=5.959
2/2 [==============================] - 0s 8ms/step
>19, 172/468, d=0.167, g=4.630
2/2 [==============================] - 0s 5ms/step
>19, 173/468, d=0.317, g=4.874
2/2 [==============================] - 0s 4ms/step
>19, 174/468, d=0.150, g=5.195
2/2 [==============================] - 0s 7ms/step
>19, 175/468, d=0.272, g=5.333
2/2 [==============================] - 0s 6ms/step
>19, 176/468, d=0.230, g=3.588
2/2 [==============================] - 0s 6ms/step
>19, 177/468, d=0.304, g=3.230
2/2 [==============================] - 0s 11ms/step
>19, 178/468, d=0.292, g=1.251
2/2 [==============================] - 0s 20ms/step
>19, 179/468, d=0.272, g=3.785
2/2 [==============================] - 0s 6ms/step
>19, 180/468, d=0.322, g=4.440
2/2 [==============================] - 0s 7ms/step
>19, 181/468, d=0.268, g=4.105
2/2 [==============================] - 0s 11ms/step
>19, 182/468, d=0.265, g=3.719
2/2 [==============================] - 0s 7ms/step
>19, 183/468, d=0.234, g=5.033
2/2 [==============================] - 0s 4ms/step
>19, 184/468, d=0.272, g=1.902
2/2 [==============================] - 0s 8ms/step
>19, 185/468, d=0.281, g=4.727
2/2 [==============================] - 0s 7ms/step
>19, 186/468, d=0.161, g=4.176
2/2 [==============================] - 0s 11ms/step
>19, 187/468, d=0.244, g=3.044
2/2 [==============================] - 0s 6ms/step
>19, 188/468, d=0.287, g=1.684
2/2 [==============================] - 0s 5ms/step
>19, 189/468, d=0.296, g=0.564
2/2 [==============================] - 0s 8ms/step
>19, 190/468, d=0.130, g=0.568
2/2 [==============================] - 0s 7ms/step
>19, 191/468, d=0.332, g=1.288
2/2 [==============================] - 0s 6ms/step
>19, 192/468, d=0.294, g=4.188
2/2 [==============================] - 0s 9ms/step
>19, 193/468, d=0.382, g=3.602
2/2 [==============================] - 0s 13ms/step
>19, 194/468, d=0.216, g=4.719
2/2 [==============================] - 0s 7ms/step
>19, 195/468, d=0.194, g=2.556
2/2 [==============================] - 0s 7ms/step
>19, 196/468, d=0.249, g=0.415
2/2 [==============================] - 0s 4ms/step
```

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>19, 197/468, d=0.291, g=1.430
2/2 [==============================] - 0s 12ms/step
>19, 198/468, d=0.227, g=2.448
2/2 [==============================] - 0s 7ms/step
>19, 199/468, d=0.308, g=0.545
2/2 [==============================] - 0s 12ms/step
>19, 200/468, d=0.291, g=1.434
2/2 [==============================] - 0s 8ms/step
>19, 201/468, d=0.110, g=2.197
2/2 [==============================] - 0s 6ms/step
>19, 202/468, d=0.358, g=0.640
2/2 [==============================] - 0s 5ms/step
>19, 203/468, d=0.303, g=2.214
2/2 [==============================] - 0s 5ms/step
>19, 204/468, d=0.325, g=6.543
2/2 [==============================] - 0s 7ms/step
>19, 205/468, d=0.377, g=3.460
2/2 [==============================] - 0s 11ms/step
>19, 206/468, d=0.301, g=1.768
2/2 [==============================] - 0s 5ms/step
>19, 207/468, d=0.221, g=6.395
2/2 [==============================] - 0s 4ms/step
>19, 208/468, d=0.204, g=4.194
2/2 [==============================] - 0s 15ms/step
>19, 209/468, d=0.463, g=4.678
2/2 [==============================] - 0s 5ms/step
>19, 210/468, d=0.405, g=2.848
2/2 [==============================] - 0s 7ms/step
>19, 211/468, d=0.274, g=4.702
2/2 [==============================] - 0s 7ms/step
>19, 212/468, d=0.208, g=6.731
2/2 [==============================] - 0s 6ms/step
>19, 213/468, d=0.353, g=4.601
2/2 [==============================] - 0s 5ms/step
>19, 214/468, d=0.209, g=4.276
2/2 [==============================] - 0s 14ms/step
>19, 215/468, d=0.201, g=3.809
2/2 [==============================] - 0s 13ms/step
>19, 216/468, d=0.386, g=4.598
2/2 [==============================] - 0s 8ms/step
>19, 217/468, d=0.251, g=5.564
2/2 [==============================] - 0s 7ms/step
>19, 218/468, d=0.299, g=4.357
2/2 [==============================] - 0s 7ms/step
>19, 219/468, d=0.221, g=3.801
2/2 [==============================] - 0s 7ms/step
>19, 220/468, d=0.189, g=5.217
2/2 [==============================] - 0s 11ms/step
>19, 221/468, d=0.316, g=5.554
2/2 [==============================] - 0s 9ms/step
>19, 222/468, d=0.398, g=1.205
2/2 [==============================] - 0s 7ms/step
>19, 223/468, d=0.358, g=0.489
2/2 [==============================] - 0s 7ms/step
>19, 224/468, d=0.368, g=1.256
2/2 [==============================] - 0s 15ms/step
>19, 225/468, d=0.285, g=4.363
2/2 [==============================] - 0s 5ms/step
>19, 226/468, d=0.499, g=6.481
2/2 [==============================] - 0s 5ms/step
>19, 227/468, d=0.238, g=7.859
2/2 [==============================] - 0s 8ms/step
>19, 228/468, d=0.368, g=9.959
2/2 [==============================] - 0s 15ms/step
```

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>19, 229/468, d=0.338, g=3.635
2/2 [==============================] - 0s 5ms/step
>19, 230/468, d=0.153, g=2.395
2/2 [==============================] - 0s 5ms/step
>19, 231/468, d=0.162, g=2.051
2/2 [==============================] - 0s 7ms/step
>19, 232/468, d=0.256, g=2.435
2/2 [==============================] - 0s 5ms/step
>19, 233/468, d=0.175, g=4.386
2/2 [==============================] - 0s 5ms/step
>19, 234/468, d=0.226, g=3.989
2/2 [==============================] - 0s 8ms/step
>19, 235/468, d=0.252, g=3.899
2/2 [==============================] - 0s 6ms/step
>19, 236/468, d=0.247, g=3.849
2/2 [==============================] - 0s 5ms/step
>19, 237/468, d=0.170, g=3.955
2/2 [==============================] - 0s 8ms/step
>19, 238/468, d=0.273, g=2.970
2/2 [==============================] - 0s 6ms/step
>19, 239/468, d=0.262, g=2.789
2/2 [==============================] - 0s 10ms/step
>19, 240/468, d=0.248, g=2.684
2/2 [==============================] - 0s 6ms/step
>19, 241/468, d=0.278, g=2.941
2/2 [==============================] - 0s 8ms/step
>19, 242/468, d=0.160, g=3.122
2/2 [==============================] - 0s 6ms/step
>19, 243/468, d=0.194, g=3.275
2/2 [==============================] - 0s 7ms/step
>19, 244/468, d=0.284, g=2.632
2/2 [==============================] - 0s 8ms/step
>19, 245/468, d=0.140, g=2.786
2/2 [==============================] - 0s 6ms/step
>19, 246/468, d=0.253, g=2.590
2/2 [==============================] - 0s 5ms/step
>19, 247/468, d=0.230, g=1.763
2/2 [==============================] - 0s 6ms/step
>19, 248/468, d=0.237, g=4.305
2/2 [==============================] - 0s 16ms/step
>19, 249/468, d=0.220, g=5.796
2/2 [==============================] - 0s 8ms/step
>19, 250/468, d=0.197, g=5.222
2/2 [==============================] - 0s 6ms/step
>19, 251/468, d=0.145, g=2.949
2/2 [==============================] - 0s 5ms/step
>19, 252/468, d=0.249, g=2.297
2/2 [==============================] - 0s 11ms/step
>19, 253/468, d=0.252, g=3.786
2/2 [==============================] - 0s 6ms/step
>19, 254/468, d=0.219, g=3.202
2/2 [==============================] - 0s 14ms/step
>19, 255/468, d=0.343, g=0.133
2/2 [==============================] - 0s 11ms/step
>19, 256/468, d=0.199, g=0.416
2/2 [==============================] - 0s 11ms/step
>19, 257/468, d=0.311, g=1.630
2/2 [==============================] - 0s 4ms/step
>19, 258/468, d=0.225, g=2.920
2/2 [==============================] - 0s 15ms/step
>19, 259/468, d=0.306, g=6.176
2/2 [==============================] - 0s 6ms/step
>19, 260/468, d=0.338, g=6.520
2/2 [==============================] - 0s 11ms/step
```

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>19, 261/468, d=0.214, g=1.988
2/2 [==============================] - 0s 8ms/step
>19, 262/468, d=0.253, g=0.666
2/2 [==============================] - 0s 12ms/step
>19, 263/468, d=0.423, g=4.577
2/2 [==============================] - 0s 8ms/step
>19, 264/468, d=0.260, g=4.987
2/2 [==============================] - 0s 8ms/step
>19, 265/468, d=0.175, g=3.599
2/2 [==============================] - 0s 9ms/step
>19, 266/468, d=0.289, g=5.863
2/2 [==============================] - 0s 7ms/step
>19, 267/468, d=0.224, g=4.013
2/2 [==============================] - 0s 4ms/step
>19, 268/468, d=0.229, g=2.130
2/2 [==============================] - 0s 5ms/step
>19, 269/468, d=0.292, g=2.630
2/2 [==============================] - 0s 13ms/step
>19, 270/468, d=0.199, g=1.985
2/2 [==============================] - 0s 6ms/step
>19, 271/468, d=0.270, g=1.130
2/2 [==============================] - 0s 10ms/step
>19, 272/468, d=0.317, g=2.210
2/2 [==============================] - 0s 6ms/step
>19, 273/468, d=0.240, g=2.985
2/2 [==============================] - 0s 4ms/step
>19, 274/468, d=0.279, g=2.716
2/2 [==============================] - 0s 7ms/step
>19, 275/468, d=0.275, g=3.153
2/2 [==============================] - 0s 5ms/step
>19, 276/468, d=0.169, g=4.235
2/2 [==============================] - 0s 7ms/step
>19, 277/468, d=0.310, g=4.162
2/2 [==============================] - 0s 6ms/step
>19, 278/468, d=0.240, g=3.316
2/2 [==============================] - 0s 11ms/step
>19, 279/468, d=0.307, g=2.972
2/2 [==============================] - 0s 14ms/step
>19, 280/468, d=0.301, g=4.491
2/2 [==============================] - 0s 5ms/step
>19, 281/468, d=0.282, g=3.764
2/2 [==============================] - 0s 12ms/step
>19, 282/468, d=0.267, g=0.999
2/2 [==============================] - 0s 4ms/step
>19, 283/468, d=0.469, g=5.068
2/2 [==============================] - 0s 11ms/step
>19, 284/468, d=0.302, g=4.101
2/2 [==============================] - 0s 7ms/step
>19, 285/468, d=0.188, g=3.182
2/2 [==============================] - 0s 7ms/step
>19, 286/468, d=0.348, g=6.697
2/2 [==============================] - 0s 6ms/step
>19, 287/468, d=0.199, g=5.873
2/2 [==============================] - 0s 6ms/step
>19, 288/468, d=0.444, g=0.578
2/2 [==============================] - 0s 7ms/step
>19, 289/468, d=0.322, g=0.924
2/2 [==============================] - 0s 5ms/step
>19, 290/468, d=0.390, g=3.686
2/2 [==============================] - 0s 5ms/step
>19, 291/468, d=0.325, g=2.963
2/2 [==============================] - 0s 12ms/step
>19, 292/468, d=0.247, g=1.693
2/2 [==============================] - 0s 13ms/step
```

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>19, 293/468, d=0.246, g=3.116
2/2 [==============================] - 0s 6ms/step
>19, 294/468, d=0.231, g=1.756
2/2 [==============================] - 0s 4ms/step
>19, 295/468, d=0.287, g=0.474
2/2 [==============================] - 0s 11ms/step
>19, 296/468, d=0.354, g=2.536
2/2 [==============================] - 0s 3ms/step
>19, 297/468, d=0.281, g=2.023
2/2 [==============================] - 0s 11ms/step
>19, 298/468, d=0.419, g=1.542
2/2 [==============================] - 0s 10ms/step
>19, 299/468, d=0.383, g=3.384
2/2 [==============================] - 0s 11ms/step
>19, 300/468, d=0.204, g=5.147
2/2 [==============================] - 0s 7ms/step
>19, 301/468, d=0.332, g=6.210
2/2 [==============================] - 0s 7ms/step
>19, 302/468, d=0.243, g=6.658
2/2 [==============================] - 0s 5ms/step
>19, 303/468, d=0.240, g=6.491
2/2 [==============================] - 0s 11ms/step
>19, 304/468, d=0.150, g=5.298
2/2 [==============================] - 0s 5ms/step
>19, 305/468, d=0.262, g=4.725
2/2 [==============================] - 0s 7ms/step
>19, 306/468, d=0.209, g=6.027
2/2 [==============================] - 0s 7ms/step
>19, 307/468, d=0.258, g=7.707
2/2 [==============================] - 0s 14ms/step
>19, 308/468, d=0.289, g=5.530
2/2 [==============================] - 0s 5ms/step
>19, 309/468, d=0.314, g=0.776
2/2 [==============================] - 0s 7ms/step
>19, 310/468, d=0.360, g=1.260
2/2 [==============================] - 0s 7ms/step
>19, 311/468, d=0.178, g=1.592
2/2 [==============================] - 0s 9ms/step
>19, 312/468, d=0.173, g=1.217
2/2 [==============================] - 0s 8ms/step
>19, 313/468, d=0.281, g=1.595
2/2 [==============================] - 0s 5ms/step
>19, 314/468, d=0.253, g=4.021
2/2 [==============================] - 0s 5ms/step
>19, 315/468, d=0.299, g=4.891
2/2 [==============================] - 0s 6ms/step
>19, 316/468, d=0.338, g=3.512
2/2 [==============================] - 0s 10ms/step
>19, 317/468, d=0.177, g=3.302
2/2 [==============================] - 0s 5ms/step
>19, 318/468, d=0.250, g=3.828
2/2 [==============================] - 0s 9ms/step
>19, 319/468, d=0.237, g=3.124
2/2 [==============================] - 0s 5ms/step
>19, 320/468, d=0.191, g=1.511
2/2 [==============================] - 0s 6ms/step
>19, 321/468, d=0.184, g=1.128
2/2 [==============================] - 0s 7ms/step
>19, 322/468, d=0.122, g=1.955
2/2 [==============================] - 0s 10ms/step
>19, 323/468, d=0.377, g=3.556
2/2 [==============================] - 0s 6ms/step
>19, 324/468, d=0.223, g=3.755
2/2 [==============================] - 0s 6ms/step
```

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>19, 325/468, d=0.218, g=2.270
2/2 [==============================] - 0s 7ms/step
>19, 326/468, d=0.177, g=0.932
2/2 [==============================] - 0s 4ms/step
>19, 327/468, d=0.466, g=3.608
2/2 [==============================] - 0s 4ms/step
>19, 328/468, d=0.242, g=6.187
2/2 [==============================] - 0s 11ms/step
>19, 329/468, d=0.410, g=2.845
2/2 [==============================] - 0s 9ms/step
>19, 330/468, d=0.247, g=2.034
2/2 [==============================] - 0s 5ms/step
>19, 331/468, d=0.299, g=3.099
2/2 [==============================] - 0s 5ms/step
>19, 332/468, d=0.312, g=4.070
2/2 [==============================] - 0s 7ms/step
>19, 333/468, d=0.260, g=3.476
2/2 [==============================] - 0s 8ms/step
>19, 334/468, d=0.263, g=4.465
2/2 [==============================] - 0s 5ms/step
>19, 335/468, d=0.321, g=4.448
2/2 [==============================] - 0s 6ms/step
>19, 336/468, d=0.249, g=3.899
2/2 [==============================] - 0s 5ms/step
>19, 337/468, d=0.244, g=2.562
2/2 [==============================] - 0s 14ms/step
>19, 338/468, d=0.211, g=2.799
2/2 [==============================] - 0s 9ms/step
>19, 339/468, d=0.302, g=5.536
2/2 [==============================] - 0s 5ms/step
>19, 340/468, d=0.396, g=1.528
2/2 [==============================] - 0s 5ms/step
>19, 341/468, d=0.171, g=1.633
2/2 [==============================] - 0s 8ms/step
>19, 342/468, d=0.248, g=3.303
2/2 [==============================] - 0s 5ms/step
>19, 343/468, d=0.240, g=4.044
2/2 [==============================] - 0s 7ms/step
>19, 344/468, d=0.202, g=4.630
2/2 [==============================] - 0s 12ms/step
>19, 345/468, d=0.184, g=4.412
2/2 [==============================] - 0s 7ms/step
>19, 346/468, d=0.242, g=3.282
2/2 [==============================] - 0s 11ms/step
>19, 347/468, d=0.225, g=3.614
2/2 [==============================] - 0s 7ms/step
>19, 348/468, d=0.273, g=4.071
2/2 [==============================] - 0s 10ms/step
>19, 349/468, d=0.272, g=2.527
2/2 [==============================] - 0s 13ms/step
>19, 350/468, d=0.285, g=2.450
2/2 [==============================] - 0s 6ms/step
>19, 351/468, d=0.284, g=3.801
2/2 [==============================] - 0s 6ms/step
>19, 352/468, d=0.181, g=2.701
2/2 [==============================] - 0s 4ms/step
>19, 353/468, d=0.374, g=2.880
2/2 [==============================] - 0s 10ms/step
>19, 354/468, d=0.304, g=1.769
2/2 [==============================] - 0s 12ms/step
>19, 355/468, d=0.408, g=4.169
2/2 [==============================] - 0s 13ms/step
>19, 356/468, d=0.320, g=4.375
2/2 [==============================] - 0s 5ms/step
```

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>19, 357/468, d=0.551, g=5.770
2/2 [==============================] - 0s 7ms/step
>19, 358/468, d=0.268, g=3.242
2/2 [==============================] - 0s 6ms/step
>19, 359/468, d=0.337, g=2.630
2/2 [==============================] - 0s 7ms/step
>19, 360/468, d=0.163, g=3.301
2/2 [==============================] - 0s 7ms/step
>19, 361/468, d=0.275, g=2.747
2/2 [==============================] - 0s 6ms/step
>19, 362/468, d=0.237, g=5.741
2/2 [==============================] - 0s 7ms/step
>19, 363/468, d=0.237, g=6.358
2/2 [==============================] - 0s 6ms/step
>19, 364/468, d=0.218, g=5.061
2/2 [==============================] - 0s 13ms/step
>19, 365/468, d=0.301, g=3.784
2/2 [==============================] - 0s 8ms/step
>19, 366/468, d=0.177, g=2.467
2/2 [==============================] - 0s 7ms/step
>19, 367/468, d=0.219, g=3.076
2/2 [==============================] - 0s 6ms/step
>19, 368/468, d=0.443, g=6.183
2/2 [==============================] - 0s 6ms/step
>19, 369/468, d=0.272, g=2.464
2/2 [==============================] - 0s 5ms/step
>19, 370/468, d=0.233, g=0.629
2/2 [==============================] - 0s 13ms/step
>19, 371/468, d=0.221, g=0.241
2/2 [==============================] - 0s 9ms/step
>19, 372/468, d=0.365, g=0.068
2/2 [==============================] - 0s 16ms/step
>19, 373/468, d=0.389, g=1.918
2/2 [==============================] - 0s 9ms/step
>19, 374/468, d=0.157, g=2.624
2/2 [==============================] - 0s 9ms/step
>19, 375/468, d=0.203, g=0.862
2/2 [==============================] - 0s 9ms/step
>19, 376/468, d=0.259, g=0.754
2/2 [==============================] - 0s 7ms/step
>19, 377/468, d=0.320, g=0.573
2/2 [==============================] - 0s 9ms/step
>19, 378/468, d=0.306, g=3.909
2/2 [==============================] - 0s 4ms/step
>19, 379/468, d=0.320, g=4.005
2/2 [==============================] - 0s 5ms/step
>19, 380/468, d=0.205, g=4.405
2/2 [==============================] - 0s 7ms/step
>19, 381/468, d=0.198, g=3.825
2/2 [==============================] - 0s 7ms/step
>19, 382/468, d=0.251, g=5.135
2/2 [==============================] - 0s 5ms/step
>19, 383/468, d=0.232, g=7.438
2/2 [==============================] - 0s 5ms/step
>19, 384/468, d=0.249, g=4.524
2/2 [==============================] - 0s 5ms/step
>19, 385/468, d=0.248, g=4.876
2/2 [==============================] - 0s 5ms/step
>19, 386/468, d=0.239, g=4.894
2/2 [==============================] - 0s 8ms/step
>19, 387/468, d=0.323, g=6.169
2/2 [==============================] - 0s 8ms/step
>19, 388/468, d=0.219, g=4.653
2/2 [==============================] - 0s 12ms/step
```

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>19, 389/468, d=0.223, g=1.991
2/2 [==============================] - 0s 16ms/step
>19, 390/468, d=0.178, g=1.424
2/2 [==============================] - 0s 7ms/step
>19, 391/468, d=0.233, g=3.156
2/2 [==============================] - 0s 6ms/step
>19, 392/468, d=0.247, g=2.773
2/2 [==============================] - 0s 6ms/step
>19, 393/468, d=0.184, g=2.195
2/2 [==============================] - 0s 7ms/step
>19, 394/468, d=0.226, g=2.728
2/2 [==============================] - 0s 6ms/step
>19, 395/468, d=0.197, g=3.269
2/2 [==============================] - 0s 8ms/step
>19, 396/468, d=0.310, g=4.979
2/2 [==============================] - 0s 7ms/step
>19, 397/468, d=0.324, g=2.205
2/2 [==============================] - 0s 5ms/step
>19, 398/468, d=0.366, g=3.867
2/2 [==============================] - 0s 5ms/step
>19, 399/468, d=0.326, g=1.894
2/2 [==============================] - 0s 7ms/step
>19, 400/468, d=0.323, g=2.730
2/2 [==============================] - 0s 8ms/step
>19, 401/468, d=0.288, g=4.473
2/2 [==============================] - 0s 5ms/step
>19, 402/468, d=0.235, g=1.398
2/2 [==============================] - 0s 8ms/step
>19, 403/468, d=0.214, g=0.103
2/2 [==============================] - 0s 7ms/step
>19, 404/468, d=0.255, g=0.601
2/2 [==============================] - 0s 11ms/step
>19, 405/468, d=0.134, g=0.594
2/2 [==============================] - 0s 6ms/step
>19, 406/468, d=0.221, g=0.780
2/2 [==============================] - 0s 6ms/step
>19, 407/468, d=0.321, g=3.099
2/2 [==============================] - 0s 5ms/step
>19, 408/468, d=0.230, g=2.167
2/2 [==============================] - 0s 8ms/step
>19, 409/468, d=0.211, g=3.722
2/2 [==============================] - 0s 5ms/step
>19, 410/468, d=0.359, g=5.916
2/2 [==============================] - 0s 10ms/step
>19, 411/468, d=0.221, g=5.927
2/2 [==============================] - 0s 5ms/step
>19, 412/468, d=0.357, g=3.181
2/2 [==============================] - 0s 7ms/step
>19, 413/468, d=0.279, g=1.927
2/2 [==============================] - 0s 6ms/step
>19, 414/468, d=0.247, g=1.818
2/2 [==============================] - 0s 9ms/step
>19, 415/468, d=0.303, g=5.740
2/2 [==============================] - 0s 7ms/step
>19, 416/468, d=0.294, g=6.552
2/2 [==============================] - 0s 6ms/step
>19, 417/468, d=0.276, g=2.463
2/2 [==============================] - 0s 5ms/step
>19, 418/468, d=0.316, g=4.581
2/2 [==============================] - 0s 10ms/step
>19, 419/468, d=0.235, g=3.315
2/2 [==============================] - 0s 6ms/step
>19, 420/468, d=0.219, g=5.839
2/2 [==============================] - 0s 18ms/step
```

```
>19, 421/468, d=0.332, g=4.000
2/2 [==============================] - 0s 5ms/step
>19, 422/468, d=0.212, g=4.849
2/2 [==============================] - 0s 11ms/step
>19, 423/468, d=0.239, g=2.386
2/2 [==============================] - 0s 7ms/step
>19, 424/468, d=0.203, g=1.270
2/2 [==============================] - 0s 6ms/step
>19, 425/468, d=0.241, g=1.440
2/2 [==============================] - 0s 10ms/step
>19, 426/468, d=0.320, g=2.257
2/2 [==============================] - 0s 7ms/step
>19, 427/468, d=0.316, g=4.815
2/2 [==============================] - 0s 5ms/step
>19, 428/468, d=0.246, g=9.735
2/2 [==============================] - 0s 8ms/step
>19, 429/468, d=0.359, g=3.416
2/2 [==============================] - 0s 6ms/step
>19, 430/468, d=0.263, g=3.756
2/2 [==============================] - 0s 5ms/step
>19, 431/468, d=0.274, g=6.160
2/2 [==============================] - 0s 7ms/step
>19, 432/468, d=0.324, g=4.881
2/2 [==============================] - 0s 17ms/step
>19, 433/468, d=0.204, g=2.944
2/2 [==============================] - 0s 6ms/step
>19, 434/468, d=0.185, g=2.513
2/2 [==============================] - 0s 9ms/step
>19, 435/468, d=0.208, g=3.659
2/2 [==============================] - 0s 6ms/step
>19, 436/468, d=0.249, g=2.029
2/2 [==============================] - 0s 9ms/step
>19, 437/468, d=0.191, g=1.294
2/2 [==============================] - 0s 6ms/step
>19, 438/468, d=0.229, g=1.557
2/2 [==============================] - 0s 10ms/step
>19, 439/468, d=0.284, g=2.175
2/2 [==============================] - 0s 6ms/step
>19, 440/468, d=0.290, g=1.079
2/2 [==============================] - 0s 9ms/step
>19, 441/468, d=0.197, g=1.710
2/2 [==============================] - 0s 17ms/step
>19, 442/468, d=0.246, g=3.104
2/2 [==============================] - 0s 8ms/step
>19, 443/468, d=0.273, g=2.135
2/2 [==============================] - 0s 8ms/step
>19, 444/468, d=0.133, g=1.460
2/2 [==============================] - 0s 19ms/step
>19, 445/468, d=0.260, g=0.969
2/2 [==============================] - 0s 6ms/step
>19, 446/468, d=0.320, g=4.478
2/2 [==============================] - 0s 14ms/step
>19, 447/468, d=0.274, g=5.771
2/2 [==============================] - 0s 5ms/step
>19, 448/468, d=0.287, g=8.855
2/2 [==============================] - 0s 8ms/step
>19, 449/468, d=0.215, g=5.403
2/2 [==============================] - 0s 6ms/step
>19, 450/468, d=0.234, g=2.299
2/2 [==============================] - 0s 5ms/step
>19, 451/468, d=0.245, g=1.564
2/2 [==============================] - 0s 12ms/step
>19, 452/468, d=0.224, g=0.886
2/2 [==============================] - 0s 7ms/step
```

```
>19, 453/468, d=0.324, g=1.366
2/2 [==============================] - 0s 7ms/step
>19, 454/468, d=0.363, g=3.993
2/2 [==============================] - 0s 5ms/step
>19, 455/468, d=0.275, g=1.163
2/2 [==============================] - 0s 5ms/step
>19, 456/468, d=0.289, g=2.637
2/2 [==============================] - 0s 4ms/step
>19, 457/468, d=0.247, g=2.157
2/2 [==============================] - 0s 5ms/step
>19, 458/468, d=0.192, g=3.060
2/2 [==============================] - 0s 5ms/step
>19, 459/468, d=0.236, g=3.805
2/2 [==============================] - 0s 8ms/step
>19, 460/468, d=0.236, g=3.975
2/2 [==============================] - 0s 5ms/step
>19, 461/468, d=0.249, g=3.167
2/2 [==============================] - 0s 5ms/step
>19, 462/468, d=0.182, g=4.055
2/2 [==============================] - 0s 5ms/step
>19, 463/468, d=0.234, g=3.495
2/2 [==============================] - 0s 6ms/step
>19, 464/468, d=0.247, g=2.208
2/2 [==============================] - 0s 6ms/step
>19, 465/468, d=0.323, g=6.109
2/2 [==============================] - 0s 6ms/step
>19, 466/468, d=0.316, g=3.890
2/2 [==============================] - 0s 12ms/step
>19, 467/468, d=0.191, g=4.683
2/2 [==============================] - 0s 7ms/step
>19, 468/468, d=0.251, g=3.653
2/2 [==============================] - 0s 6ms/step
>20, 1/468, d=0.294, g=2.743
2/2 [==============================] - 0s 5ms/step
>20, 2/468, d=0.323, g=3.910
2/2 [==============================] - 0s 5ms/step
>20, 3/468, d=0.322, g=2.067
2/2 [==============================] - 0s 13ms/step
>20, 4/468, d=0.209, g=2.784
2/2 [==============================] - 0s 6ms/step
>20, 5/468, d=0.241, g=3.141
2/2 [==============================] - 0s 4ms/step
>20, 6/468, d=0.363, g=1.454
2/2 [==============================] - 0s 5ms/step
>20, 7/468, d=0.195, g=2.577
2/2 [==============================] - 0s 4ms/step
>20, 8/468, d=0.214, g=4.745
2/2 [==============================] - 0s 4ms/step
>20, 9/468, d=0.343, g=1.923
2/2 [==============================] - 0s 6ms/step
>20, 10/468, d=0.204, g=1.592
2/2 [==============================] - 0s 7ms/step
>20, 11/468, d=0.249, g=4.671
2/2 [==============================] - 0s 6ms/step
>20, 12/468, d=0.322, g=7.502
2/2 [==============================] - 0s 18ms/step
>20, 13/468, d=0.459, g=0.989
2/2 [==============================] - 0s 5ms/step
>20, 14/468, d=0.275, g=2.477
2/2 [==============================] - 0s 18ms/step
>20, 15/468, d=0.263, g=3.298
2/2 [==============================] - 0s 17ms/step
>20, 16/468, d=0.252, g=2.099
2/2 [==============================] - 0s 6ms/step
```

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>20, 17/468, d=0.251, g=1.426
2/2 [==============================] - 0s 4ms/step
>20, 18/468, d=0.332, g=3.143
2/2 [==============================] - 0s 10ms/step
>20, 19/468, d=0.372, g=2.979
2/2 [==============================] - 0s 6ms/step
>20, 20/468, d=0.235, g=1.755
2/2 [==============================] - 0s 8ms/step
>20, 21/468, d=0.289, g=4.044
2/2 [==============================] - 0s 5ms/step
>20, 22/468, d=0.299, g=3.095
2/2 [==============================] - 0s 4ms/step
>20, 23/468, d=0.344, g=4.203
2/2 [==============================] - 0s 10ms/step
>20, 24/468, d=0.307, g=4.318
2/2 [==============================] - 0s 10ms/step
>20, 25/468, d=0.244, g=4.999
2/2 [==============================] - 0s 9ms/step
>20, 26/468, d=0.223, g=4.495
2/2 [==============================] - 0s 8ms/step
>20, 27/468, d=0.287, g=2.891
2/2 [==============================] - 0s 15ms/step
>20, 28/468, d=0.345, g=3.123
2/2 [==============================] - 0s 6ms/step
>20, 29/468, d=0.202, g=3.150
2/2 [==============================] - 0s 7ms/step
>20, 30/468, d=0.252, g=3.747
2/2 [==============================] - 0s 5ms/step
>20, 31/468, d=0.239, g=3.846
2/2 [==============================] - 0s 5ms/step
>20, 32/468, d=0.258, g=2.745
2/2 [==============================] - 0s 13ms/step
>20, 33/468, d=0.263, g=2.330
2/2 [==============================] - 0s 7ms/step
>20, 34/468, d=0.293, g=2.039
2/2 [==============================] - 0s 6ms/step
>20, 35/468, d=0.279, g=2.466
2/2 [==============================] - 0s 6ms/step
>20, 36/468, d=0.258, g=3.788
2/2 [==============================] - 0s 11ms/step
>20, 37/468, d=0.227, g=3.041
2/2 [==============================] - 0s 6ms/step
>20, 38/468, d=0.279, g=2.604
2/2 [==============================] - 0s 6ms/step
>20, 39/468, d=0.203, g=1.988
2/2 [==============================] - 0s 14ms/step
>20, 40/468, d=0.216, g=4.168
2/2 [==============================] - 0s 11ms/step
>20, 41/468, d=0.269, g=7.332
2/2 [==============================] - 0s 9ms/step
>20, 42/468, d=0.202, g=6.369
2/2 [==============================] - 0s 10ms/step
>20, 43/468, d=0.193, g=6.204
2/2 [==============================] - 0s 10ms/step
>20, 44/468, d=0.252, g=5.498
2/2 [==============================] - 0s 6ms/step
>20, 45/468, d=0.160, g=4.054
2/2 [==============================] - 0s 6ms/step
>20, 46/468, d=0.230, g=2.169
2/2 [==============================] - 0s 12ms/step
>20, 47/468, d=0.194, g=1.790
2/2 [==============================] - 0s 13ms/step
>20, 48/468, d=0.201, g=2.336
2/2 [==============================] - 0s 9ms/step
```

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>20, 49/468, d=0.223, g=3.650
2/2 [==============================] - 0s 16ms/step
>20, 50/468, d=0.173, g=4.387
2/2 [==============================] - 0s 6ms/step
>20, 51/468, d=0.314, g=1.940
2/2 [==============================] - 0s 12ms/step
>20, 52/468, d=0.223, g=1.802
2/2 [==============================] - 0s 7ms/step
>20, 53/468, d=0.337, g=3.110
2/2 [==============================] - 0s 10ms/step
>20, 54/468, d=0.261, g=4.184
2/2 [==============================] - 0s 6ms/step
>20, 55/468, d=0.279, g=4.690
2/2 [==============================] - 0s 4ms/step
>20, 56/468, d=0.303, g=2.198
2/2 [==============================] - 0s 4ms/step
>20, 57/468, d=0.279, g=3.371
2/2 [==============================] - 0s 8ms/step
>20, 58/468, d=0.205, g=2.473
2/2 [==============================] - 0s 6ms/step
>20, 59/468, d=0.202, g=1.125
2/2 [==============================] - 0s 15ms/step
>20, 60/468, d=0.213, g=1.881
2/2 [==============================] - 0s 5ms/step
>20, 61/468, d=0.199, g=4.229
2/2 [==============================] - 0s 6ms/step
>20, 62/468, d=0.269, g=3.044
2/2 [==============================] - 0s 4ms/step
>20, 63/468, d=0.278, g=1.968
2/2 [==============================] - 0s 17ms/step
>20, 64/468, d=0.226, g=2.724
2/2 [==============================] - 0s 11ms/step
>20, 65/468, d=0.306, g=2.820
2/2 [==============================] - 0s 9ms/step
>20, 66/468, d=0.216, g=1.297
2/2 [==============================] - 0s 5ms/step
>20, 67/468, d=0.196, g=2.426
2/2 [==============================] - 0s 6ms/step
>20, 68/468, d=0.161, g=2.314
2/2 [==============================] - 0s 9ms/step
>20, 69/468, d=0.220, g=2.652
2/2 [==============================] - 0s 5ms/step
>20, 70/468, d=0.298, g=3.366
2/2 [==============================] - 0s 5ms/step
>20, 71/468, d=0.370, g=1.697
2/2 [==============================] - 0s 6ms/step
>20, 72/468, d=0.479, g=4.879
2/2 [==============================] - 0s 8ms/step
>20, 73/468, d=0.189, g=5.040
2/2 [==============================] - 0s 5ms/step
>20, 74/468, d=0.198, g=3.347
2/2 [==============================] - 0s 9ms/step
>20, 75/468, d=0.423, g=2.921
2/2 [==============================] - 0s 6ms/step
>20, 76/468, d=0.283, g=1.724
2/2 [==============================] - 0s 9ms/step
>20, 77/468, d=0.286, g=2.096
2/2 [==============================] - 0s 4ms/step
>20, 78/468, d=0.204, g=2.690
2/2 [==============================] - 0s 4ms/step
>20, 79/468, d=0.198, g=2.423
2/2 [==============================] - 0s 10ms/step
>20, 80/468, d=0.260, g=4.105
2/2 [==============================] - 0s 6ms/step
```

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>20, 81/468, d=0.246, g=4.606
2/2 [==============================] - 0s 8ms/step
>20, 82/468, d=0.336, g=1.453
2/2 [==============================] - 0s 6ms/step
>20, 83/468, d=0.272, g=1.977
2/2 [==============================] - 0s 7ms/step
>20, 84/468, d=0.209, g=1.337
2/2 [==============================] - 0s 6ms/step
>20, 85/468, d=0.181, g=1.704
2/2 [==============================] - 0s 6ms/step
>20, 86/468, d=0.268, g=4.550
2/2 [==============================] - 0s 11ms/step
>20, 87/468, d=0.288, g=1.526
2/2 [==============================] - 0s 9ms/step
>20, 88/468, d=0.145, g=0.893
2/2 [==============================] - 0s 5ms/step
>20, 89/468, d=0.192, g=1.524
2/2 [==============================] - 0s 6ms/step
>20, 90/468, d=0.242, g=3.417
2/2 [==============================] - 0s 6ms/step
>20, 91/468, d=0.269, g=2.604
2/2 [==============================] - 0s 13ms/step
>20, 92/468, d=0.210, g=3.184
2/2 [==============================] - 0s 11ms/step
>20, 93/468, d=0.260, g=4.455
2/2 [==============================] - 0s 13ms/step
>20, 94/468, d=0.173, g=4.497
2/2 [==============================] - 0s 13ms/step
>20, 95/468, d=0.219, g=2.914
2/2 [==============================] - 0s 5ms/step
>20, 96/468, d=0.249, g=3.202
2/2 [==============================] - 0s 7ms/step
>20, 97/468, d=0.273, g=3.747
2/2 [==============================] - 0s 10ms/step
>20, 98/468, d=0.215, g=4.928
2/2 [==============================] - 0s 7ms/step
>20, 99/468, d=0.266, g=4.168
2/2 [==============================] - 0s 7ms/step
>20, 100/468, d=0.286, g=3.683
2/2 [==============================] - 0s 14ms/step
>20, 101/468, d=0.172, g=4.804
2/2 [==============================] - 0s 5ms/step
>20, 102/468, d=0.322, g=5.850
2/2 [==============================] - 0s 6ms/step
>20, 103/468, d=0.222, g=2.758
2/2 [==============================] - 0s 4ms/step
>20, 104/468, d=0.301, g=3.066
2/2 [==============================] - 0s 4ms/step
>20, 105/468, d=0.386, g=6.998
2/2 [==============================] - 0s 7ms/step
>20, 106/468, d=0.219, g=5.391
2/2 [==============================] - 0s 9ms/step
>20, 107/468, d=0.275, g=0.922
2/2 [==============================] - 0s 10ms/step
>20, 108/468, d=0.252, g=0.930
2/2 [==============================] - 0s 6ms/step
>20, 109/468, d=0.244, g=0.803
2/2 [==============================] - 0s 5ms/step
>20, 110/468, d=0.279, g=0.340
2/2 [==============================] - 0s 20ms/step
>20, 111/468, d=0.325, g=3.802
2/2 [==============================] - 0s 14ms/step
>20, 112/468, d=0.232, g=6.210
2/2 [==============================] - 0s 7ms/step
```

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>20, 113/468, d=0.420, g=6.292
2/2 [==============================] - 0s 6ms/step
>20, 114/468, d=0.251, g=3.328
2/2 [==============================] - 0s 7ms/step
>20, 115/468, d=0.175, g=1.047
2/2 [==============================] - 0s 13ms/step
>20, 116/468, d=0.209, g=1.452
2/2 [==============================] - 0s 19ms/step
>20, 117/468, d=0.374, g=5.408
2/2 [==============================] - 0s 14ms/step
>20, 118/468, d=0.289, g=6.098
2/2 [==============================] - 0s 11ms/step
>20, 119/468, d=0.303, g=5.591
2/2 [==============================] - 0s 9ms/step
>20, 120/468, d=0.308, g=5.955
2/2 [==============================] - 0s 6ms/step
>20, 121/468, d=0.221, g=7.567
2/2 [==============================] - 0s 5ms/step
>20, 122/468, d=0.273, g=4.765
2/2 [==============================] - 0s 4ms/step
>20, 123/468, d=0.091, g=4.600
2/2 [==============================] - 0s 5ms/step
>20, 124/468, d=0.209, g=3.557
2/2 [==============================] - 0s 7ms/step
>20, 125/468, d=0.256, g=3.823
2/2 [==============================] - 0s 7ms/step
>20, 126/468, d=0.247, g=3.443
2/2 [==============================] - 0s 6ms/step
>20, 127/468, d=0.279, g=1.420
2/2 [==============================] - 0s 5ms/step
>20, 128/468, d=0.279, g=1.448
2/2 [==============================] - 0s 18ms/step
>20, 129/468, d=0.371, g=3.555
2/2 [==============================] - 0s 10ms/step
>20, 130/468, d=0.361, g=3.736
2/2 [==============================] - 0s 4ms/step
>20, 131/468, d=0.286, g=1.054
2/2 [==============================] - 0s 4ms/step
>20, 132/468, d=0.218, g=0.561
2/2 [==============================] - 0s 4ms/step
>20, 133/468, d=0.515, g=1.060
2/2 [==============================] - 0s 6ms/step
>20, 134/468, d=0.251, g=2.617
2/2 [==============================] - 0s 5ms/step
>20, 135/468, d=0.290, g=4.998
2/2 [==============================] - 0s 5ms/step
>20, 136/468, d=0.208, g=4.817
2/2 [==============================] - 0s 13ms/step
>20, 137/468, d=0.178, g=2.937
2/2 [==============================] - 0s 5ms/step
>20, 138/468, d=0.260, g=2.371
2/2 [==============================] - 0s 5ms/step
>20, 139/468, d=0.320, g=5.366
2/2 [==============================] - 0s 7ms/step
>20, 140/468, d=0.303, g=2.273
2/2 [==============================] - 0s 7ms/step
>20, 141/468, d=0.254, g=1.301
2/2 [==============================] - 0s 5ms/step
>20, 142/468, d=0.206, g=1.950
2/2 [==============================] - 0s 9ms/step
>20, 143/468, d=0.251, g=1.558
2/2 [==============================] - 0s 5ms/step
>20, 144/468, d=0.137, g=2.183
2/2 [==============================] - 0s 5ms/step
```

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>20, 145/468, d=0.296, g=3.663
2/2 [==============================] - 0s 5ms/step
>20, 146/468, d=0.227, g=4.160
2/2 [==============================] - 0s 10ms/step
>20, 147/468, d=0.209, g=4.195
2/2 [==============================] - 0s 5ms/step
>20, 148/468, d=0.222, g=5.355
2/2 [==============================] - 0s 8ms/step
>20, 149/468, d=0.283, g=1.911
2/2 [==============================] - 0s 10ms/step
>20, 150/468, d=0.429, g=6.301
2/2 [==============================] - 0s 5ms/step
>20, 151/468, d=0.310, g=4.786
2/2 [==============================] - 0s 5ms/step
>20, 152/468, d=0.443, g=2.742
2/2 [==============================] - 0s 5ms/step
>20, 153/468, d=0.307, g=6.146
2/2 [==============================] - 0s 12ms/step
>20, 154/468, d=0.354, g=4.722
2/2 [==============================] - 0s 8ms/step
>20, 155/468, d=0.313, g=3.116
2/2 [==============================] - 0s 12ms/step
>20, 156/468, d=0.230, g=4.898
2/2 [==============================] - 0s 11ms/step
>20, 157/468, d=0.214, g=3.595
2/2 [==============================] - 0s 10ms/step
>20, 158/468, d=0.172, g=2.795
2/2 [==============================] - 0s 6ms/step
>20, 159/468, d=0.358, g=1.895
2/2 [==============================] - 0s 12ms/step
>20, 160/468, d=0.268, g=1.013
2/2 [==============================] - 0s 8ms/step
>20, 161/468, d=0.219, g=1.162
2/2 [==============================] - 0s 8ms/step
>20, 162/468, d=0.183, g=2.404
2/2 [==============================] - 0s 9ms/step
>20, 163/468, d=0.289, g=3.155
2/2 [==============================] - 0s 5ms/step
>20, 164/468, d=0.230, g=1.837
2/2 [==============================] - 0s 11ms/step
>20, 165/468, d=0.226, g=3.059
2/2 [==============================] - 0s 6ms/step
>20, 166/468, d=0.266, g=3.455
2/2 [==============================] - 0s 5ms/step
>20, 167/468, d=0.276, g=3.443
2/2 [==============================] - 0s 6ms/step
>20, 168/468, d=0.271, g=5.269
2/2 [==============================] - 0s 6ms/step
>20, 169/468, d=0.342, g=5.070
2/2 [==============================] - 0s 5ms/step
>20, 170/468, d=0.233, g=6.774
2/2 [==============================] - 0s 4ms/step
>20, 171/468, d=0.231, g=5.778
2/2 [==============================] - 0s 6ms/step
>20, 172/468, d=0.207, g=1.255
2/2 [==============================] - 0s 11ms/step
>20, 173/468, d=0.217, g=1.375
2/2 [==============================] - 0s 15ms/step
>20, 174/468, d=0.313, g=5.217
2/2 [==============================] - 0s 4ms/step
>20, 175/468, d=0.326, g=3.899
2/2 [==============================] - 0s 7ms/step
>20, 176/468, d=0.252, g=1.297
2/2 [==============================] - 0s 4ms/step
```

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>20, 177/468, d=0.241, g=0.524
2/2 [==============================] - 0s 8ms/step
>20, 178/468, d=0.241, g=1.035
2/2 [==============================] - 0s 8ms/step
>20, 179/468, d=0.225, g=2.822
2/2 [==============================] - 0s 5ms/step
>20, 180/468, d=0.255, g=1.265
2/2 [==============================] - 0s 6ms/step
>20, 181/468, d=0.287, g=1.020
2/2 [==============================] - 0s 13ms/step
>20, 182/468, d=0.215, g=2.728
2/2 [==============================] - 0s 14ms/step
>20, 183/468, d=0.285, g=2.794
2/2 [==============================] - 0s 4ms/step
>20, 184/468, d=0.193, g=4.467
2/2 [==============================] - 0s 15ms/step
>20, 185/468, d=0.165, g=5.022
2/2 [==============================] - 0s 7ms/step
>20, 186/468, d=0.159, g=3.777
2/2 [==============================] - 0s 13ms/step
>20, 187/468, d=0.264, g=3.404
2/2 [==============================] - 0s 4ms/step
>20, 188/468, d=0.288, g=6.293
2/2 [==============================] - 0s 6ms/step
>20, 189/468, d=0.390, g=3.271
2/2 [==============================] - 0s 5ms/step
>20, 190/468, d=0.267, g=2.687
2/2 [==============================] - 0s 10ms/step
>20, 191/468, d=0.186, g=2.859
2/2 [==============================] - 0s 5ms/step
>20, 192/468, d=0.305, g=4.438
2/2 [==============================] - 0s 16ms/step
>20, 193/468, d=0.231, g=5.173
2/2 [==============================] - 0s 5ms/step
>20, 194/468, d=0.224, g=3.588
2/2 [==============================] - 0s 6ms/step
>20, 195/468, d=0.329, g=3.429
2/2 [==============================] - 0s 6ms/step
>20, 196/468, d=0.195, g=5.226
2/2 [==============================] - 0s 11ms/step
>20, 197/468, d=0.279, g=5.124
2/2 [==============================] - 0s 5ms/step
>20, 198/468, d=0.197, g=2.169
2/2 [==============================] - 0s 7ms/step
>20, 199/468, d=0.210, g=1.435
2/2 [==============================] - 0s 8ms/step
>20, 200/468, d=0.389, g=5.987
2/2 [==============================] - 0s 9ms/step
>20, 201/468, d=0.326, g=5.831
2/2 [==============================] - 0s 10ms/step
>20, 202/468, d=0.374, g=5.365
2/2 [==============================] - 0s 7ms/step
>20, 203/468, d=0.279, g=5.732
2/2 [==============================] - 0s 9ms/step
>20, 204/468, d=0.263, g=3.814
2/2 [==============================] - 0s 4ms/step
>20, 205/468, d=0.194, g=2.592
2/2 [==============================] - 0s 11ms/step
>20, 206/468, d=0.332, g=3.528
2/2 [==============================] - 0s 10ms/step
>20, 207/468, d=0.251, g=4.818
2/2 [==============================] - 0s 6ms/step
>20, 208/468, d=0.324, g=0.931
2/2 [==============================] - 0s 6ms/step
```

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>20, 209/468, d=0.317, g=2.538
2/2 [==============================] - 0s 5ms/step
>20, 210/468, d=0.159, g=4.081
2/2 [==============================] - 0s 4ms/step
>20, 211/468, d=0.290, g=2.588
2/2 [==============================] - 0s 7ms/step
>20, 212/468, d=0.272, g=0.875
2/2 [==============================] - 0s 7ms/step
>20, 213/468, d=0.373, g=3.263
2/2 [==============================] - 0s 4ms/step
>20, 214/468, d=0.344, g=4.829
2/2 [==============================] - 0s 6ms/step
>20, 215/468, d=0.309, g=2.791
2/2 [==============================] - 0s 9ms/step
>20, 216/468, d=0.299, g=5.426
2/2 [==============================] - 0s 9ms/step
>20, 217/468, d=0.403, g=2.405
2/2 [==============================] - 0s 6ms/step
>20, 218/468, d=0.170, g=1.302
2/2 [==============================] - 0s 9ms/step
>20, 219/468, d=0.335, g=3.651
2/2 [==============================] - 0s 6ms/step
>20, 220/468, d=0.235, g=3.144
2/2 [==============================] - 0s 4ms/step
>20, 221/468, d=0.265, g=2.156
2/2 [==============================] - 0s 6ms/step
>20, 222/468, d=0.325, g=7.111
2/2 [==============================] - 0s 5ms/step
>20, 223/468, d=0.255, g=5.754
2/2 [==============================] - 0s 5ms/step
>20, 224/468, d=0.166, g=4.879
2/2 [==============================] - 0s 16ms/step
>20, 225/468, d=0.210, g=3.765
2/2 [==============================] - 0s 5ms/step
>20, 226/468, d=0.220, g=3.573
2/2 [==============================] - 0s 5ms/step
>20, 227/468, d=0.373, g=2.827
2/2 [==============================] - 0s 4ms/step
>20, 228/468, d=0.296, g=0.227
2/2 [==============================] - 0s 7ms/step
>20, 229/468, d=0.208, g=0.154
2/2 [==============================] - 0s 10ms/step
>20, 230/468, d=0.233, g=1.476
2/2 [==============================] - 0s 5ms/step
>20, 231/468, d=0.207, g=1.734
2/2 [==============================] - 0s 7ms/step
>20, 232/468, d=0.286, g=1.544
2/2 [==============================] - 0s 7ms/step
>20, 233/468, d=0.218, g=2.423
2/2 [==============================] - 0s 7ms/step
>20, 234/468, d=0.278, g=3.768
2/2 [==============================] - 0s 12ms/step
>20, 235/468, d=0.117, g=4.185
2/2 [==============================] - 0s 4ms/step
>20, 236/468, d=0.270, g=3.088
2/2 [==============================] - 0s 8ms/step
>20, 237/468, d=0.338, g=7.376
2/2 [==============================] - 0s 12ms/step
>20, 238/468, d=0.399, g=1.628
2/2 [==============================] - 0s 6ms/step
>20, 239/468, d=0.290, g=1.383
2/2 [==============================] - 0s 11ms/step
>20, 240/468, d=0.519, g=6.029
2/2 [==============================] - 0s 6ms/step
```

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>20, 241/468, d=0.260, g=6.046
2/2 [==============================] - 0s 4ms/step
>20, 242/468, d=0.377, g=3.046
2/2 [==============================] - 0s 5ms/step
>20, 243/468, d=0.258, g=1.925
2/2 [==============================] - 0s 4ms/step
>20, 244/468, d=0.174, g=2.894
2/2 [==============================] - 0s 5ms/step
>20, 245/468, d=0.289, g=3.066
2/2 [==============================] - 0s 8ms/step
>20, 246/468, d=0.318, g=3.377
2/2 [==============================] - 0s 8ms/step
>20, 247/468, d=0.260, g=4.569
2/2 [==============================] - 0s 5ms/step
>20, 248/468, d=0.222, g=3.030
2/2 [==============================] - 0s 9ms/step
>20, 249/468, d=0.196, g=0.824
2/2 [==============================] - 0s 5ms/step
>20, 250/468, d=0.181, g=0.806
2/2 [==============================] - 0s 9ms/step
>20, 251/468, d=0.246, g=2.542
2/2 [==============================] - 0s 6ms/step
>20, 252/468, d=0.239, g=5.101
2/2 [==============================] - 0s 5ms/step
>20, 253/468, d=0.299, g=3.208
2/2 [==============================] - 0s 11ms/step
>20, 254/468, d=0.216, g=2.878
2/2 [==============================] - 0s 7ms/step
>20, 255/468, d=0.239, g=4.692
2/2 [==============================] - 0s 12ms/step
>20, 256/468, d=0.247, g=5.466
2/2 [==============================] - 0s 6ms/step
>20, 257/468, d=0.246, g=5.589
2/2 [==============================] - 0s 7ms/step
>20, 258/468, d=0.291, g=3.121
2/2 [==============================] - 0s 7ms/step
>20, 259/468, d=0.235, g=3.315
2/2 [==============================] - 0s 12ms/step
>20, 260/468, d=0.231, g=1.851
2/2 [==============================] - 0s 7ms/step
>20, 261/468, d=0.140, g=2.936
2/2 [==============================] - 0s 6ms/step
>20, 262/468, d=0.275, g=1.450
2/2 [==============================] - 0s 7ms/step
>20, 263/468, d=0.163, g=1.641
2/2 [==============================] - 0s 10ms/step
>20, 264/468, d=0.186, g=1.860
2/2 [==============================] - 0s 10ms/step
>20, 265/468, d=0.288, g=5.498
2/2 [==============================] - 0s 7ms/step
>20, 266/468, d=0.310, g=4.286
2/2 [==============================] - 0s 7ms/step
>20, 267/468, d=0.129, g=4.076
2/2 [==============================] - 0s 6ms/step
>20, 268/468, d=0.307, g=4.491
2/2 [==============================] - 0s 7ms/step
>20, 269/468, d=0.296, g=2.922
2/2 [==============================] - 0s 7ms/step
>20, 270/468, d=0.202, g=3.146
2/2 [==============================] - 0s 6ms/step
>20, 271/468, d=0.249, g=5.601
2/2 [==============================] - 0s 7ms/step
>20, 272/468, d=0.283, g=5.189
2/2 [==============================] - 0s 13ms/step
```

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>20, 273/468, d=0.303, g=3.450
2/2 [==============================] - 0s 7ms/step
>20, 274/468, d=0.321, g=4.947
2/2 [==============================] - 0s 17ms/step
>20, 275/468, d=0.239, g=4.456
2/2 [==============================] - 0s 6ms/step
>20, 276/468, d=0.244, g=4.433
2/2 [==============================] - 0s 5ms/step
>20, 277/468, d=0.256, g=6.309
2/2 [==============================] - 0s 7ms/step
>20, 278/468, d=0.246, g=4.175
2/2 [==============================] - 0s 12ms/step
>20, 279/468, d=0.230, g=1.950
2/2 [==============================] - 0s 5ms/step
>20, 280/468, d=0.233, g=2.231
2/2 [==============================] - 0s 13ms/step
>20, 281/468, d=0.289, g=4.158
2/2 [==============================] - 0s 5ms/step
>20, 282/468, d=0.204, g=6.837
2/2 [==============================] - 0s 10ms/step
>20, 283/468, d=0.295, g=2.440
2/2 [==============================] - 0s 9ms/step
>20, 284/468, d=0.204, g=1.676
2/2 [==============================] - 0s 13ms/step
>20, 285/468, d=0.186, g=2.035
2/2 [==============================] - 0s 8ms/step
>20, 286/468, d=0.162, g=2.657
2/2 [==============================] - 0s 8ms/step
>20, 287/468, d=0.292, g=3.449
2/2 [==============================] - 0s 7ms/step
>20, 288/468, d=0.295, g=1.136
2/2 [==============================] - 0s 8ms/step
>20, 289/468, d=0.219, g=1.392
2/2 [==============================] - 0s 8ms/step
>20, 290/468, d=0.235, g=0.640
2/2 [==============================] - 0s 8ms/step
>20, 291/468, d=0.258, g=2.379
2/2 [==============================] - 0s 7ms/step
>20, 292/468, d=0.244, g=6.062
2/2 [==============================] - 0s 10ms/step
>20, 293/468, d=0.246, g=5.425
2/2 [==============================] - 0s 6ms/step
>20, 294/468, d=0.344, g=0.948
2/2 [==============================] - 0s 6ms/step
>20, 295/468, d=0.274, g=0.940
2/2 [==============================] - 0s 12ms/step
>20, 296/468, d=0.301, g=5.516
2/2 [==============================] - 0s 7ms/step
>20, 297/468, d=0.320, g=2.304
2/2 [==============================] - 0s 12ms/step
>20, 298/468, d=0.259, g=0.511
2/2 [==============================] - 0s 7ms/step
>20, 299/468, d=0.362, g=2.102
2/2 [==============================] - 0s 10ms/step
>20, 300/468, d=0.324, g=4.833
2/2 [==============================] - 0s 5ms/step
>20, 301/468, d=0.211, g=4.278
2/2 [==============================] - 0s 8ms/step
>20, 302/468, d=0.298, g=1.027
2/2 [==============================] - 0s 6ms/step
>20, 303/468, d=0.297, g=1.585
2/2 [==============================] - 0s 5ms/step
>20, 304/468, d=0.258, g=4.135
2/2 [==============================] - 0s 9ms/step
```

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>20, 305/468, d=0.234, g=5.036
2/2 [==============================] - 0s 6ms/step
>20, 306/468, d=0.306, g=4.761
2/2 [==============================] - 0s 8ms/step
>20, 307/468, d=0.173, g=3.444
2/2 [==============================] - 0s 4ms/step
>20, 308/468, d=0.239, g=4.663
2/2 [==============================] - 0s 5ms/step
>20, 309/468, d=0.172, g=7.411
2/2 [==============================] - 0s 4ms/step
>20, 310/468, d=0.179, g=5.776
2/2 [==============================] - 0s 5ms/step
>20, 311/468, d=0.309, g=3.736
2/2 [==============================] - 0s 6ms/step
>20, 312/468, d=0.301, g=4.880
2/2 [==============================] - 0s 5ms/step
>20, 313/468, d=0.253, g=4.358
2/2 [==============================] - 0s 7ms/step
>20, 314/468, d=0.257, g=4.423
2/2 [==============================] - 0s 4ms/step
>20, 315/468, d=0.306, g=2.408
2/2 [==============================] - 0s 5ms/step
>20, 316/468, d=0.192, g=2.115
2/2 [==============================] - 0s 5ms/step
>20, 317/468, d=0.194, g=2.796
2/2 [==============================] - 0s 4ms/step
>20, 318/468, d=0.219, g=3.498
2/2 [==============================] - 0s 9ms/step
>20, 319/468, d=0.338, g=5.115
2/2 [==============================] - 0s 5ms/step
>20, 320/468, d=0.301, g=6.301
2/2 [==============================] - 0s 12ms/step
>20, 321/468, d=0.226, g=5.775
2/2 [==============================] - 0s 8ms/step
>20, 322/468, d=0.252, g=5.209
2/2 [==============================] - 0s 17ms/step
>20, 323/468, d=0.242, g=3.238
2/2 [==============================] - 0s 5ms/step
>20, 324/468, d=0.358, g=6.223
2/2 [==============================] - 0s 11ms/step
>20, 325/468, d=0.233, g=5.185
2/2 [==============================] - 0s 8ms/step
>20, 326/468, d=0.226, g=3.553
2/2 [==============================] - 0s 14ms/step
>20, 327/468, d=0.301, g=2.072
2/2 [==============================] - 0s 6ms/step
>20, 328/468, d=0.333, g=3.076
2/2 [==============================] - 0s 12ms/step
>20, 329/468, d=0.535, g=2.183
2/2 [==============================] - 0s 16ms/step
>20, 330/468, d=0.227, g=2.018
2/2 [==============================] - 0s 12ms/step
>20, 331/468, d=0.280, g=1.515
2/2 [==============================] - 0s 4ms/step
>20, 332/468, d=0.318, g=5.135
2/2 [==============================] - 0s 8ms/step
>20, 333/468, d=0.162, g=4.478
2/2 [==============================] - 0s 7ms/step
>20, 334/468, d=0.237, g=2.372
2/2 [==============================] - 0s 9ms/step
>20, 335/468, d=0.256, g=2.299
2/2 [==============================] - 0s 12ms/step
>20, 336/468, d=0.232, g=4.077
2/2 [==============================] - 0s 6ms/step
```

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>20, 337/468, d=0.188, g=5.696
2/2 [==============================] - 0s 8ms/step
>20, 338/468, d=0.269, g=3.073
2/2 [==============================] - 0s 6ms/step
>20, 339/468, d=0.203, g=4.034
2/2 [==============================] - 0s 9ms/step
>20, 340/468, d=0.239, g=4.122
2/2 [==============================] - 0s 14ms/step
>20, 341/468, d=0.199, g=1.564
2/2 [==============================] - 0s 8ms/step
>20, 342/468, d=0.189, g=1.622
2/2 [==============================] - 0s 12ms/step
>20, 343/468, d=0.213, g=4.185
2/2 [==============================] - 0s 10ms/step
>20, 344/468, d=0.181, g=4.938
2/2 [==============================] - 0s 5ms/step
>20, 345/468, d=0.194, g=2.825
2/2 [==============================] - 0s 7ms/step
>20, 346/468, d=0.219, g=2.131
2/2 [==============================] - 0s 5ms/step
>20, 347/468, d=0.234, g=3.558
2/2 [==============================] - 0s 5ms/step
>20, 348/468, d=0.327, g=3.201
2/2 [==============================] - 0s 7ms/step
>20, 349/468, d=0.263, g=5.424
2/2 [==============================] - 0s 9ms/step
>20, 350/468, d=0.230, g=3.061
2/2 [==============================] - 0s 5ms/step
>20, 351/468, d=0.236, g=3.591
2/2 [==============================] - 0s 7ms/step
>20, 352/468, d=0.218, g=4.115
2/2 [==============================] - 0s 11ms/step
>20, 353/468, d=0.238, g=1.796
2/2 [==============================] - 0s 8ms/step
>20, 354/468, d=0.292, g=2.149
2/2 [==============================] - 0s 8ms/step
>20, 355/468, d=0.293, g=2.638
2/2 [==============================] - 0s 8ms/step
>20, 356/468, d=0.338, g=4.264
2/2 [==============================] - 0s 9ms/step
>20, 357/468, d=0.287, g=5.847
2/2 [==============================] - 0s 10ms/step
>20, 358/468, d=0.266, g=4.089
2/2 [==============================] - 0s 7ms/step
>20, 359/468, d=0.285, g=2.788
2/2 [==============================] - 0s 6ms/step
>20, 360/468, d=0.213, g=3.130
2/2 [==============================] - 0s 13ms/step
>20, 361/468, d=0.200, g=2.847
2/2 [==============================] - 0s 11ms/step
>20, 362/468, d=0.292, g=4.093
2/2 [==============================] - 0s 5ms/step
>20, 363/468, d=0.141, g=5.044
2/2 [==============================] - 0s 9ms/step
>20, 364/468, d=0.321, g=1.512
2/2 [==============================] - 0s 4ms/step
>20, 365/468, d=0.307, g=2.677
2/2 [==============================] - 0s 4ms/step
>20, 366/468, d=0.260, g=3.161
2/2 [==============================] - 0s 5ms/step
>20, 367/468, d=0.300, g=3.572
2/2 [==============================] - 0s 7ms/step
>20, 368/468, d=0.226, g=6.930
2/2 [==============================] - 0s 12ms/step
```

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>20, 369/468, d=0.316, g=1.955
2/2 [==============================] - 0s 12ms/step
>20, 370/468, d=0.185, g=0.970
2/2 [==============================] - 0s 9ms/step
>20, 371/468, d=0.268, g=1.716
2/2 [==============================] - 0s 11ms/step
>20, 372/468, d=0.273, g=3.604
2/2 [==============================] - 0s 10ms/step
>20, 373/468, d=0.267, g=2.720
2/2 [==============================] - 0s 6ms/step
>20, 374/468, d=0.173, g=1.518
2/2 [==============================] - 0s 13ms/step
>20, 375/468, d=0.231, g=1.573
2/2 [==============================] - 0s 11ms/step
>20, 376/468, d=0.300, g=2.203
2/2 [==============================] - 0s 5ms/step
>20, 377/468, d=0.332, g=4.233
2/2 [==============================] - 0s 6ms/step
>20, 378/468, d=0.195, g=2.320
2/2 [==============================] - 0s 5ms/step
>20, 379/468, d=0.230, g=2.507
2/2 [==============================] - 0s 5ms/step
>20, 380/468, d=0.327, g=3.570
2/2 [==============================] - 0s 8ms/step
>20, 381/468, d=0.255, g=4.462
2/2 [==============================] - 0s 5ms/step
>20, 382/468, d=0.375, g=2.561
2/2 [==============================] - 0s 4ms/step
>20, 383/468, d=0.309, g=2.727
2/2 [==============================] - 0s 5ms/step
>20, 384/468, d=0.173, g=2.356
2/2 [==============================] - 0s 7ms/step
>20, 385/468, d=0.297, g=1.640
2/2 [==============================] - 0s 5ms/step
>20, 386/468, d=0.327, g=5.437
2/2 [==============================] - 0s 5ms/step
>20, 387/468, d=0.230, g=5.078
2/2 [==============================] - 0s 5ms/step
>20, 388/468, d=0.246, g=1.223
2/2 [==============================] - 0s 11ms/step
>20, 389/468, d=0.340, g=3.765
2/2 [==============================] - 0s 7ms/step
>20, 390/468, d=0.329, g=4.483
2/2 [==============================] - 0s 13ms/step
>20, 391/468, d=0.343, g=0.761
2/2 [==============================] - 0s 7ms/step
>20, 392/468, d=0.242, g=1.132
2/2 [==============================] - 0s 9ms/step
>20, 393/468, d=0.276, g=2.182
2/2 [==============================] - 0s 5ms/step
>20, 394/468, d=0.325, g=1.495
2/2 [==============================] - 0s 13ms/step
>20, 395/468, d=0.421, g=4.531
2/2 [==============================] - 0s 5ms/step
>20, 396/468, d=0.278, g=2.858
2/2 [==============================] - 0s 5ms/step
>20, 397/468, d=0.343, g=1.760
2/2 [==============================] - 0s 7ms/step
>20, 398/468, d=0.267, g=5.093
2/2 [==============================] - 0s 6ms/step
>20, 399/468, d=0.248, g=5.494
2/2 [==============================] - 0s 13ms/step
>20, 400/468, d=0.205, g=3.191
2/2 [==============================] - 0s 4ms/step
```

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>20, 401/468, d=0.225, g=3.767
2/2 [==============================] - 0s 7ms/step
>20, 402/468, d=0.359, g=2.662
2/2 [==============================] - 0s 6ms/step
>20, 403/468, d=0.248, g=3.530
2/2 [==============================] - 0s 8ms/step
>20, 404/468, d=0.284, g=3.566
2/2 [==============================] - 0s 9ms/step
>20, 405/468, d=0.313, g=5.888
2/2 [==============================] - 0s 14ms/step
>20, 406/468, d=0.305, g=6.353
2/2 [==============================] - 0s 7ms/step
>20, 407/468, d=0.186, g=6.285
2/2 [==============================] - 0s 7ms/step
>20, 408/468, d=0.256, g=3.440
2/2 [==============================] - 0s 6ms/step
>20, 409/468, d=0.254, g=2.720
2/2 [==============================] - 0s 9ms/step
>20, 410/468, d=0.176, g=3.942
2/2 [==============================] - 0s 8ms/step
>20, 411/468, d=0.255, g=2.514
2/2 [==============================] - 0s 5ms/step
>20, 412/468, d=0.290, g=2.009
2/2 [==============================] - 0s 11ms/step
>20, 413/468, d=0.232, g=1.563
2/2 [==============================] - 0s 7ms/step
>20, 414/468, d=0.388, g=5.033
2/2 [==============================] - 0s 13ms/step
>20, 415/468, d=0.262, g=3.438
2/2 [==============================] - 0s 10ms/step
>20, 416/468, d=0.198, g=2.226
2/2 [==============================] - 0s 5ms/step
>20, 417/468, d=0.320, g=1.986
2/2 [==============================] - 0s 6ms/step
>20, 418/468, d=0.181, g=2.244
2/2 [==============================] - 0s 7ms/step
>20, 419/468, d=0.313, g=2.926
2/2 [==============================] - 0s 10ms/step
>20, 420/468, d=0.150, g=3.199
2/2 [==============================] - 0s 7ms/step
>20, 421/468, d=0.320, g=5.477
2/2 [==============================] - 0s 4ms/step
>20, 422/468, d=0.332, g=3.340
2/2 [==============================] - 0s 6ms/step
>20, 423/468, d=0.286, g=4.247
2/2 [==============================] - 0s 4ms/step
>20, 424/468, d=0.220, g=2.269
2/2 [==============================] - 0s 13ms/step
>20, 425/468, d=0.160, g=2.422
2/2 [==============================] - 0s 7ms/step
>20, 426/468, d=0.280, g=6.930
2/2 [==============================] - 0s 5ms/step
>20, 427/468, d=0.327, g=4.810
2/2 [==============================] - 0s 5ms/step
>20, 428/468, d=0.180, g=3.861
2/2 [==============================] - 0s 9ms/step
>20, 429/468, d=0.161, g=3.876
2/2 [==============================] - 0s 10ms/step
>20, 430/468, d=0.296, g=4.145
2/2 [==============================] - 0s 11ms/step
>20, 431/468, d=0.248, g=3.339
2/2 [==============================] - 0s 12ms/step
>20, 432/468, d=0.278, g=1.160
2/2 [==============================] - 0s 11ms/step
```

```
>20, 433/468, d=0.281, g=2.609
2/2 [==============================] - 0s 6ms/step
>20, 434/468, d=0.271, g=0.936
2/2 [==============================] - 0s 18ms/step
>20, 435/468, d=0.473, g=3.281
2/2 [==============================] - 0s 5ms/step
>20, 436/468, d=0.297, g=3.564
2/2 [==============================] - 0s 12ms/step
>20, 437/468, d=0.300, g=2.405
2/2 [==============================] - 0s 5ms/step
>20, 438/468, d=0.210, g=2.239
2/2 [==============================] - 0s 5ms/step
>20, 439/468, d=0.186, g=0.848
2/2 [==============================] - 0s 7ms/step
>20, 440/468, d=0.210, g=1.586
2/2 [==============================] - 0s 8ms/step
>20, 441/468, d=0.198, g=3.356
2/2 [==============================] - 0s 12ms/step
>20, 442/468, d=0.254, g=2.509
2/2 [==============================] - 0s 9ms/step
>20, 443/468, d=0.218, g=1.534
2/2 [==============================] - 0s 8ms/step
>20, 444/468, d=0.216, g=3.076
2/2 [==============================] - 0s 7ms/step
>20, 445/468, d=0.351, g=2.520
2/2 [==============================] - 0s 6ms/step
>20, 446/468, d=0.266, g=3.036
2/2 [==============================] - 0s 11ms/step
>20, 447/468, d=0.205, g=3.639
2/2 [==============================] - 0s 17ms/step
>20, 448/468, d=0.198, g=2.295
2/2 [==============================] - 0s 11ms/step
>20, 449/468, d=0.224, g=2.669
2/2 [==============================] - 0s 9ms/step
>20, 450/468, d=0.193, g=2.990
2/2 [==============================] - 0s 10ms/step
>20, 451/468, d=0.270, g=3.376
2/2 [==============================] - 0s 5ms/step
>20, 452/468, d=0.317, g=6.096
2/2 [==============================] - 0s 5ms/step
>20, 453/468, d=0.217, g=5.443
2/2 [==============================] - 0s 7ms/step
>20, 454/468, d=0.152, g=3.323
2/2 [==============================] - 0s 5ms/step
>20, 455/468, d=0.271, g=3.747
2/2 [==============================] - 0s 7ms/step
>20, 456/468, d=0.245, g=5.116
2/2 [==============================] - 0s 6ms/step
>20, 457/468, d=0.268, g=3.147
2/2 [==============================] - 0s 6ms/step
>20, 458/468, d=0.226, g=2.796
2/2 [==============================] - 0s 5ms/step
>20, 459/468, d=0.253, g=4.112
2/2 [==============================] - 0s 6ms/step
>20, 460/468, d=0.191, g=3.256
2/2 [==============================] - 0s 13ms/step
>20, 461/468, d=0.185, g=5.895
2/2 [==============================] - 0s 10ms/step
>20, 462/468, d=0.207, g=5.546
2/2 [==============================] - 0s 6ms/step
>20, 463/468, d=0.267, g=2.351
2/2 [==============================] - 0s 6ms/step
>20, 464/468, d=0.536, g=7.799
2/2 [==============================] - 0s 5ms/step
```

```
>20, 465/468, d=0.333, g=0.798
2/2 [==============================] - 0s 5ms/step
>20, 466/468, d=0.289, g=0.023
2/2 [==============================] - 0s 5ms/step
>20, 467/468, d=0.300, g=0.155
2/2 [==============================] - 0s 8ms/step
>20, 468/468, d=0.165, g=0.570
4/4 [==============================] - 0s 6ms/step
>Accuracy real: 100%, fake: 30%
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.
```

Se han truncado las últimas 5000 líneas del flujo de salida.

```
2/2 [==============================] - 0s 17ms/step
>25, 310/468, d=0.325, g=6.248
2/2 [==============================] - 0s 7ms/step
>25, 311/468, d=0.262, g=3.343
2/2 [==============================] - 0s 7ms/step
>25, 312/468, d=0.232, g=3.137
2/2 [==============================] - 0s 14ms/step
>25, 313/468, d=0.263, g=5.148
2/2 [==============================] - 0s 7ms/step
>25, 314/468, d=0.221, g=4.222
2/2 [==============================] - 0s 7ms/step
>25, 315/468, d=0.310, g=1.244
2/2 [==============================] - 0s 12ms/step
>25, 316/468, d=0.241, g=1.883
2/2 [==============================] - 0s 8ms/step
>25, 317/468, d=0.294, g=3.600
2/2 [==============================] - 0s 5ms/step
>25, 318/468, d=0.247, g=6.012
2/2 [==============================] - 0s 8ms/step
>25, 319/468, d=0.315, g=2.957
2/2 [==============================] - 0s 7ms/step
>25, 320/468, d=0.196, g=1.183
2/2 [==============================] - 0s 9ms/step
>25, 321/468, d=0.236, g=1.034
2/2 [==============================] - 0s 8ms/step
>25, 322/468, d=0.228, g=2.402
2/2 [==============================] - 0s 8ms/step
>25, 323/468, d=0.273, g=4.882
2/2 [==============================] - 0s 9ms/step
>25, 324/468, d=0.296, g=3.833
2/2 [==============================] - 0s 6ms/step
>25, 325/468, d=0.372, g=2.697
2/2 [==============================] - 0s 5ms/step
>25, 326/468, d=0.233, g=2.636
2/2 [==============================] - 0s 13ms/step
>25, 327/468, d=0.159, g=2.446
2/2 [==============================] - 0s 6ms/step
>25, 328/468, d=0.223, g=2.823
2/2 [==============================] - 0s 8ms/step
>25, 329/468, d=0.338, g=4.858
2/2 [==============================] - 0s 6ms/step
>25, 330/468, d=0.286, g=3.536
2/2 [==============================] - 0s 4ms/step
>25, 331/468, d=0.233, g=2.395
2/2 [==============================] - 0s 5ms/step
>25, 332/468, d=0.310, g=2.465
2/2 [==============================] - 0s 7ms/step
>25, 333/468, d=0.349, g=6.306
2/2 [==============================] - 0s 8ms/step
>25, 334/468, d=0.383, g=2.399
2/2 [==============================] - 0s 6ms/step
>25, 335/468, d=0.232, g=1.429
2/2 [==============================] - 0s 6ms/step
>25, 336/468, d=0.229, g=1.477
2/2 [==============================] - 0s 7ms/step
>25, 337/468, d=0.347, g=4.110
2/2 [==============================] - 0s 5ms/step
>25, 338/468, d=0.335, g=4.176
2/2 [==============================] - 0s 4ms/step
>25, 339/468, d=0.206, g=3.335
2/2 [==============================] - 0s 4ms/step
>25, 340/468, d=0.282, g=3.380
2/2 [==============================] - 0s 7ms/step
```

```
>25, 341/468, d=0.315, g=1.621
2/2 [==============================] - 0s 12ms/step
>25, 342/468, d=0.284, g=3.313
2/2 [==============================] - 0s 6ms/step
>25, 343/468, d=0.147, g=3.989
2/2 [==============================] - 0s 7ms/step
>25, 344/468, d=0.232, g=4.044
2/2 [==============================] - 0s 7ms/step
>25, 345/468, d=0.264, g=5.422
2/2 [==============================] - 0s 5ms/step
>25, 346/468, d=0.290, g=4.929
2/2 [==============================] - 0s 5ms/step
>25, 347/468, d=0.246, g=1.689
2/2 [==============================] - 0s 8ms/step
>25, 348/468, d=0.338, g=2.366
2/2 [==============================] - 0s 6ms/step
>25, 349/468, d=0.408, g=4.109
2/2 [==============================] - 0s 5ms/step
>25, 350/468, d=0.309, g=2.519
2/2 [==============================] - 0s 5ms/step
>25, 351/468, d=0.334, g=2.066
2/2 [==============================] - 0s 8ms/step
>25, 352/468, d=0.330, g=1.398
2/2 [==============================] - 0s 5ms/step
>25, 353/468, d=0.314, g=1.199
2/2 [==============================] - 0s 7ms/step
>25, 354/468, d=0.335, g=4.343
2/2 [==============================] - 0s 5ms/step
>25, 355/468, d=0.259, g=5.571
2/2 [==============================] - 0s 5ms/step
>25, 356/468, d=0.279, g=2.787
2/2 [==============================] - 0s 11ms/step
>25, 357/468, d=0.234, g=2.740
2/2 [==============================] - 0s 7ms/step
>25, 358/468, d=0.181, g=2.936
2/2 [==============================] - 0s 10ms/step
>25, 359/468, d=0.191, g=2.024
2/2 [==============================] - 0s 5ms/step
>25, 360/468, d=0.145, g=1.393
2/2 [==============================] - 0s 7ms/step
>25, 361/468, d=0.260, g=2.570
2/2 [==============================] - 0s 6ms/step
>25, 362/468, d=0.162, g=2.655
2/2 [==============================] - 0s 7ms/step
>25, 363/468, d=0.231, g=3.819
2/2 [==============================] - 0s 10ms/step
>25, 364/468, d=0.281, g=2.396
2/2 [==============================] - 0s 11ms/step
>25, 365/468, d=0.305, g=2.602
2/2 [==============================] - 0s 5ms/step
>25, 366/468, d=0.283, g=1.957
2/2 [==============================] - 0s 6ms/step
>25, 367/468, d=0.241, g=2.030
2/2 [==============================] - 0s 7ms/step
>25, 368/468, d=0.229, g=4.947
2/2 [==============================] - 0s 9ms/step
>25, 369/468, d=0.341, g=3.887
2/2 [==============================] - 0s 5ms/step
>25, 370/468, d=0.216, g=3.501
2/2 [==============================] - 0s 7ms/step
>25, 371/468, d=0.236, g=5.714
2/2 [==============================] - 0s 6ms/step
>25, 372/468, d=0.196, g=4.443
2/2 [==============================] - 0s 6ms/step
```

```
>25, 373/468, d=0.229, g=3.041
2/2 [==============================] - 0s 6ms/step
>25, 374/468, d=0.290, g=1.396
2/2 [==============================] - 0s 6ms/step
>25, 375/468, d=0.216, g=2.089
2/2 [==============================] - 0s 9ms/step
>25, 376/468, d=0.270, g=2.886
2/2 [==============================] - 0s 7ms/step
>25, 377/468, d=0.301, g=5.282
2/2 [==============================] - 0s 8ms/step
>25, 378/468, d=0.259, g=3.864
2/2 [==============================] - 0s 11ms/step
>25, 379/468, d=0.311, g=2.145
2/2 [==============================] - 0s 5ms/step
>25, 380/468, d=0.472, g=5.688
2/2 [==============================] - 0s 6ms/step
>25, 381/468, d=0.262, g=6.768
2/2 [==============================] - 0s 10ms/step
>25, 382/468, d=0.273, g=3.502
2/2 [==============================] - 0s 8ms/step
>25, 383/468, d=0.263, g=2.357
2/2 [==============================] - 0s 11ms/step
>25, 384/468, d=0.277, g=4.295
2/2 [==============================] - 0s 5ms/step
>25, 385/468, d=0.204, g=3.005
2/2 [==============================] - 0s 6ms/step
>25, 386/468, d=0.251, g=1.386
2/2 [==============================] - 0s 8ms/step
>25, 387/468, d=0.334, g=2.340
2/2 [==============================] - 0s 7ms/step
>25, 388/468, d=0.402, g=1.915
2/2 [==============================] - 0s 9ms/step
>25, 389/468, d=0.264, g=4.003
2/2 [==============================] - 0s 7ms/step
>25, 390/468, d=0.194, g=3.526
2/2 [==============================] - 0s 6ms/step
>25, 391/468, d=0.221, g=3.491
2/2 [==============================] - 0s 7ms/step
>25, 392/468, d=0.294, g=2.219
2/2 [==============================] - 0s 6ms/step
>25, 393/468, d=0.258, g=2.267
2/2 [==============================] - 0s 7ms/step
>25, 394/468, d=0.314, g=1.767
2/2 [==============================] - 0s 8ms/step
>25, 395/468, d=0.261, g=2.764
2/2 [==============================] - 0s 16ms/step
>25, 396/468, d=0.219, g=1.560
2/2 [==============================] - 0s 12ms/step
>25, 397/468, d=0.246, g=0.841
2/2 [==============================] - 0s 7ms/step
>25, 398/468, d=0.166, g=1.357
2/2 [==============================] - 0s 8ms/step
>25, 399/468, d=0.252, g=0.542
2/2 [==============================] - 0s 7ms/step
>25, 400/468, d=0.320, g=3.140
2/2 [==============================] - 0s 11ms/step
>25, 401/468, d=0.295, g=4.629
2/2 [==============================] - 0s 6ms/step
>25, 402/468, d=0.418, g=1.488
2/2 [==============================] - 0s 6ms/step
>25, 403/468, d=0.437, g=2.719
2/2 [==============================] - 0s 9ms/step
>25, 404/468, d=0.345, g=2.160
2/2 [==============================] - 0s 7ms/step
```

```
>25, 405/468, d=0.323, g=4.611
2/2 [==============================] - 0s 9ms/step
>25, 406/468, d=0.341, g=8.673
2/2 [==============================] - 0s 6ms/step
>25, 407/468, d=0.467, g=2.596
2/2 [==============================] - 0s 12ms/step
>25, 408/468, d=0.233, g=3.278
2/2 [==============================] - 0s 16ms/step
>25, 409/468, d=0.181, g=3.293
2/2 [==============================] - 0s 7ms/step
>25, 410/468, d=0.206, g=3.841
2/2 [==============================] - 0s 9ms/step
>25, 411/468, d=0.242, g=4.109
2/2 [==============================] - 0s 5ms/step
>25, 412/468, d=0.226, g=2.848
2/2 [==============================] - 0s 5ms/step
>25, 413/468, d=0.239, g=3.030
2/2 [==============================] - 0s 7ms/step
>25, 414/468, d=0.283, g=3.567
2/2 [==============================] - 0s 5ms/step
>25, 415/468, d=0.219, g=2.277
2/2 [==============================] - 0s 8ms/step
>25, 416/468, d=0.321, g=2.277
2/2 [==============================] - 0s 8ms/step
>25, 417/468, d=0.407, g=5.360
2/2 [==============================] - 0s 8ms/step
>25, 418/468, d=0.318, g=3.962
2/2 [==============================] - 0s 13ms/step
>25, 419/468, d=0.221, g=1.826
2/2 [==============================] - 0s 7ms/step
>25, 420/468, d=0.296, g=2.128
2/2 [==============================] - 0s 8ms/step
>25, 421/468, d=0.252, g=4.248
2/2 [==============================] - 0s 12ms/step
>25, 422/468, d=0.235, g=3.997
2/2 [==============================] - 0s 10ms/step
>25, 423/468, d=0.197, g=2.968
2/2 [==============================] - 0s 5ms/step
>25, 424/468, d=0.234, g=1.834
2/2 [==============================] - 0s 7ms/step
>25, 425/468, d=0.246, g=2.796
2/2 [==============================] - 0s 10ms/step
>25, 426/468, d=0.150, g=3.873
2/2 [==============================] - 0s 10ms/step
>25, 427/468, d=0.272, g=4.886
2/2 [==============================] - 0s 4ms/step
>25, 428/468, d=0.187, g=4.578
2/2 [==============================] - 0s 8ms/step
>25, 429/468, d=0.322, g=2.672
2/2 [==============================] - 0s 10ms/step
>25, 430/468, d=0.335, g=3.861
2/2 [==============================] - 0s 10ms/step
>25, 431/468, d=0.231, g=3.622
2/2 [==============================] - 0s 7ms/step
>25, 432/468, d=0.238, g=1.751
2/2 [==============================] - 0s 9ms/step
>25, 433/468, d=0.293, g=2.875
2/2 [==============================] - 0s 9ms/step
>25, 434/468, d=0.221, g=3.541
2/2 [==============================] - 0s 10ms/step
>25, 435/468, d=0.295, g=1.301
2/2 [==============================] - 0s 8ms/step
>25, 436/468, d=0.192, g=0.495
2/2 [==============================] - 0s 6ms/step
```

```
>25, 437/468, d=0.351, g=2.206
2/2 [==============================] - 0s 12ms/step
>25, 438/468, d=0.365, g=6.863
2/2 [==============================] - 0s 7ms/step
>25, 439/468, d=0.351, g=3.668
2/2 [==============================] - 0s 5ms/step
>25, 440/468, d=0.252, g=1.983
2/2 [==============================] - 0s 5ms/step
>25, 441/468, d=0.203, g=2.148
2/2 [==============================] - 0s 5ms/step
>25, 442/468, d=0.203, g=1.560
2/2 [==============================] - 0s 5ms/step
>25, 443/468, d=0.323, g=0.864
2/2 [==============================] - 0s 9ms/step
>25, 444/468, d=0.429, g=4.387
2/2 [==============================] - 0s 8ms/step
>25, 445/468, d=0.251, g=5.072
2/2 [==============================] - 0s 10ms/step
>25, 446/468, d=0.284, g=3.936
2/2 [==============================] - 0s 5ms/step
>25, 447/468, d=0.266, g=3.361
2/2 [==============================] - 0s 5ms/step
>25, 448/468, d=0.337, g=3.687
2/2 [==============================] - 0s 15ms/step
>25, 449/468, d=0.267, g=1.696
2/2 [==============================] - 0s 5ms/step
>25, 450/468, d=0.203, g=3.134
2/2 [==============================] - 0s 7ms/step
>25, 451/468, d=0.284, g=5.817
2/2 [==============================] - 0s 8ms/step
>25, 452/468, d=0.215, g=4.329
2/2 [==============================] - 0s 15ms/step
>25, 453/468, d=0.345, g=2.020
2/2 [==============================] - 0s 5ms/step
>25, 454/468, d=0.298, g=1.714
2/2 [==============================] - 0s 6ms/step
>25, 455/468, d=0.175, g=1.345
2/2 [==============================] - 0s 9ms/step
>25, 456/468, d=0.329, g=3.014
2/2 [==============================] - 0s 6ms/step
>25, 457/468, d=0.315, g=5.506
2/2 [==============================] - 0s 14ms/step
>25, 458/468, d=0.218, g=4.582
2/2 [==============================] - 0s 6ms/step
>25, 459/468, d=0.161, g=2.532
2/2 [==============================] - 0s 10ms/step
>25, 460/468, d=0.264, g=2.007
2/2 [==============================] - 0s 14ms/step
>25, 461/468, d=0.159, g=2.382
2/2 [==============================] - 0s 9ms/step
>25, 462/468, d=0.266, g=2.931
2/2 [==============================] - 0s 15ms/step
>25, 463/468, d=0.246, g=2.600
2/2 [==============================] - 0s 5ms/step
>25, 464/468, d=0.288, g=1.949
2/2 [==============================] - 0s 16ms/step
>25, 465/468, d=0.357, g=2.966
2/2 [==============================] - 0s 5ms/step
>25, 466/468, d=0.212, g=3.337
2/2 [==============================] - 0s 5ms/step
>25, 467/468, d=0.288, g=3.151
2/2 [==============================] - 0s 9ms/step
>25, 468/468, d=0.211, g=2.302
2/2 [==============================] - 0s 5ms/step
```

```
>26, 1/468, d=0.169, g=2.964
2/2 [==============================] - 0s 12ms/step
>26, 2/468, d=0.290, g=4.764
2/2 [==============================] - 0s 5ms/step
>26, 3/468, d=0.260, g=2.270
2/2 [==============================] - 0s 7ms/step
>26, 4/468, d=0.325, g=2.522
2/2 [==============================] - 0s 4ms/step
>26, 5/468, d=0.254, g=4.489
2/2 [==============================] - 0s 8ms/step
>26, 6/468, d=0.198, g=2.400
2/2 [==============================] - 0s 7ms/step
>26, 7/468, d=0.211, g=2.130
2/2 [==============================] - 0s 5ms/step
>26, 8/468, d=0.146, g=1.722
2/2 [==============================] - 0s 7ms/step
>26, 9/468, d=0.243, g=2.254
2/2 [==============================] - 0s 15ms/step
>26, 10/468, d=0.318, g=1.910
2/2 [==============================] - 0s 5ms/step
>26, 11/468, d=0.241, g=2.168
2/2 [==============================] - 0s 6ms/step
>26, 12/468, d=0.193, g=3.118
2/2 [==============================] - 0s 8ms/step
>26, 13/468, d=0.234, g=2.282
2/2 [==============================] - 0s 5ms/step
>26, 14/468, d=0.274, g=0.825
2/2 [==============================] - 0s 12ms/step
>26, 15/468, d=0.237, g=1.622
2/2 [==============================] - 0s 9ms/step
>26, 16/468, d=0.257, g=1.822
2/2 [==============================] - 0s 12ms/step
>26, 17/468, d=0.192, g=4.938
2/2 [==============================] - 0s 5ms/step
>26, 18/468, d=0.247, g=4.996
2/2 [==============================] - 0s 7ms/step
>26, 19/468, d=0.223, g=3.452
2/2 [==============================] - 0s 5ms/step
>26, 20/468, d=0.208, g=2.621
2/2 [==============================] - 0s 8ms/step
>26, 21/468, d=0.273, g=3.394
2/2 [==============================] - 0s 7ms/step
>26, 22/468, d=0.353, g=6.205
2/2 [==============================] - 0s 7ms/step
>26, 23/468, d=0.203, g=6.599
2/2 [==============================] - 0s 7ms/step
>26, 24/468, d=0.156, g=4.580
2/2 [==============================] - 0s 7ms/step
>26, 25/468, d=0.214, g=1.668
2/2 [==============================] - 0s 6ms/step
>26, 26/468, d=0.195, g=1.552
2/2 [==============================] - 0s 6ms/step
>26, 27/468, d=0.186, g=3.065
2/2 [==============================] - 0s 5ms/step
>26, 28/468, d=0.176, g=4.835
2/2 [==============================] - 0s 15ms/step
>26, 29/468, d=0.346, g=2.928
2/2 [==============================] - 0s 4ms/step
>26, 30/468, d=0.162, g=1.584
2/2 [==============================] - 0s 7ms/step
>26, 31/468, d=0.300, g=2.604
2/2 [==============================] - 0s 12ms/step
>26, 32/468, d=0.265, g=2.783
2/2 [==============================] - 0s 8ms/step
```

```
>26, 33/468, d=0.302, g=3.271
2/2 [==============================] - 0s 12ms/step
>26, 34/468, d=0.330, g=2.537
2/2 [==============================] - 0s 12ms/step
>26, 35/468, d=0.295, g=3.322
2/2 [==============================] - 0s 9ms/step
>26, 36/468, d=0.252, g=3.367
2/2 [==============================] - 0s 5ms/step
>26, 37/468, d=0.296, g=2.853
2/2 [==============================] - 0s 6ms/step
>26, 38/468, d=0.335, g=2.451
2/2 [==============================] - 0s 8ms/step
>26, 39/468, d=0.259, g=4.174
2/2 [==============================] - 0s 6ms/step
>26, 40/468, d=0.223, g=4.624
2/2 [==============================] - 0s 16ms/step
>26, 41/468, d=0.222, g=4.660
2/2 [==============================] - 0s 7ms/step
>26, 42/468, d=0.283, g=2.966
2/2 [==============================] - 0s 5ms/step
>26, 43/468, d=0.275, g=4.083
2/2 [==============================] - 0s 5ms/step
>26, 44/468, d=0.256, g=2.840
2/2 [==============================] - 0s 7ms/step
>26, 45/468, d=0.181, g=2.382
2/2 [==============================] - 0s 11ms/step
>26, 46/468, d=0.208, g=3.011
2/2 [==============================] - 0s 6ms/step
>26, 47/468, d=0.256, g=4.418
2/2 [==============================] - 0s 8ms/step
>26, 48/468, d=0.267, g=4.367
2/2 [==============================] - 0s 8ms/step
>26, 49/468, d=0.206, g=2.595
2/2 [==============================] - 0s 6ms/step
>26, 50/468, d=0.220, g=3.024
2/2 [==============================] - 0s 6ms/step
>26, 51/468, d=0.389, g=4.025
2/2 [==============================] - 0s 16ms/step
>26, 52/468, d=0.167, g=4.476
2/2 [==============================] - 0s 8ms/step
>26, 53/468, d=0.265, g=2.725
2/2 [==============================] - 0s 8ms/step
>26, 54/468, d=0.265, g=1.588
2/2 [==============================] - 0s 6ms/step
>26, 55/468, d=0.313, g=1.905
2/2 [==============================] - 0s 8ms/step
>26, 56/468, d=0.230, g=3.026
2/2 [==============================] - 0s 6ms/step
>26, 57/468, d=0.200, g=2.494
2/2 [==============================] - 0s 8ms/step
>26, 58/468, d=0.247, g=2.030
2/2 [==============================] - 0s 9ms/step
>26, 59/468, d=0.146, g=2.331
2/2 [==============================] - 0s 4ms/step
>26, 60/468, d=0.196, g=4.521
2/2 [==============================] - 0s 10ms/step
>26, 61/468, d=0.306, g=2.957
2/2 [==============================] - 0s 8ms/step
>26, 62/468, d=0.288, g=2.105
2/2 [==============================] - 0s 5ms/step
>26, 63/468, d=0.333, g=2.442
2/2 [==============================] - 0s 5ms/step
>26, 64/468, d=0.350, g=3.810
2/2 [==============================] - 0s 6ms/step
```

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>26, 65/468, d=0.424, g=1.654
2/2 [==============================] - 0s 5ms/step
>26, 66/468, d=0.317, g=4.685
2/2 [==============================] - 0s 6ms/step
>26, 67/468, d=0.216, g=4.045
2/2 [==============================] - 0s 13ms/step
>26, 68/468, d=0.257, g=3.468
2/2 [==============================] - 0s 5ms/step
>26, 69/468, d=0.168, g=1.094
2/2 [==============================] - 0s 5ms/step
>26, 70/468, d=0.227, g=1.198
2/2 [==============================] - 0s 7ms/step
>26, 71/468, d=0.243, g=2.169
2/2 [==============================] - 0s 5ms/step
>26, 72/468, d=0.222, g=2.916
2/2 [==============================] - 0s 6ms/step
>26, 73/468, d=0.222, g=3.299
2/2 [==============================] - 0s 6ms/step
>26, 74/468, d=0.285, g=2.588
2/2 [==============================] - 0s 6ms/step
>26, 75/468, d=0.270, g=3.420
2/2 [==============================] - 0s 7ms/step
>26, 76/468, d=0.219, g=4.659
2/2 [==============================] - 0s 6ms/step
>26, 77/468, d=0.191, g=5.545
2/2 [==============================] - 0s 7ms/step
>26, 78/468, d=0.327, g=3.071
2/2 [==============================] - 0s 5ms/step
>26, 79/468, d=0.320, g=4.959
2/2 [==============================] - 0s 11ms/step
>26, 80/468, d=0.177, g=3.835
2/2 [==============================] - 0s 5ms/step
>26, 81/468, d=0.309, g=4.864
2/2 [==============================] - 0s 9ms/step
>26, 82/468, d=0.256, g=2.534
2/2 [==============================] - 0s 6ms/step
>26, 83/468, d=0.297, g=1.771
2/2 [==============================] - 0s 6ms/step
>26, 84/468, d=0.316, g=0.682
2/2 [==============================] - 0s 10ms/step
>26, 85/468, d=0.246, g=0.864
2/2 [==============================] - 0s 5ms/step
>26, 86/468, d=0.240, g=4.506
2/2 [==============================] - 0s 11ms/step
>26, 87/468, d=0.353, g=2.935
2/2 [==============================] - 0s 5ms/step
>26, 88/468, d=0.213, g=1.840
2/2 [==============================] - 0s 6ms/step
>26, 89/468, d=0.275, g=3.355
2/2 [==============================] - 0s 13ms/step
>26, 90/468, d=0.266, g=4.288
2/2 [==============================] - 0s 5ms/step
>26, 91/468, d=0.254, g=3.916
2/2 [==============================] - 0s 6ms/step
>26, 92/468, d=0.238, g=2.770
2/2 [==============================] - 0s 17ms/step
>26, 93/468, d=0.222, g=2.765
2/2 [==============================] - 0s 6ms/step
>26, 94/468, d=0.316, g=4.512
2/2 [==============================] - 0s 6ms/step
>26, 95/468, d=0.276, g=4.346
2/2 [==============================] - 0s 7ms/step
>26, 96/468, d=0.264, g=3.991
2/2 [==============================] - 0s 6ms/step
```

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>26, 97/468, d=0.261, g=4.056
2/2 [==============================] - 0s 12ms/step
>26, 98/468, d=0.176, g=3.629
2/2 [==============================] - 0s 5ms/step
>26, 99/468, d=0.282, g=4.755
2/2 [==============================] - 0s 16ms/step
>26, 100/468, d=0.269, g=3.624
2/2 [==============================] - 0s 6ms/step
>26, 101/468, d=0.173, g=1.013
2/2 [==============================] - 0s 8ms/step
>26, 102/468, d=0.264, g=1.023
2/2 [==============================] - 0s 6ms/step
>26, 103/468, d=0.274, g=2.640
2/2 [==============================] - 0s 9ms/step
>26, 104/468, d=0.331, g=3.205
2/2 [==============================] - 0s 15ms/step
>26, 105/468, d=0.257, g=3.495
2/2 [==============================] - 0s 7ms/step
>26, 106/468, d=0.198, g=2.639
2/2 [==============================] - 0s 7ms/step
>26, 107/468, d=0.394, g=0.889
2/2 [==============================] - 0s 5ms/step
>26, 108/468, d=0.431, g=5.244
2/2 [==============================] - 0s 7ms/step
>26, 109/468, d=0.353, g=5.997
2/2 [==============================] - 0s 8ms/step
>26, 110/468, d=0.267, g=2.398
2/2 [==============================] - 0s 7ms/step
>26, 111/468, d=0.327, g=3.071
2/2 [==============================] - 0s 5ms/step
>26, 112/468, d=0.233, g=3.775
2/2 [==============================] - 0s 5ms/step
>26, 113/468, d=0.217, g=2.915
2/2 [==============================] - 0s 6ms/step
>26, 114/468, d=0.278, g=2.905
2/2 [==============================] - 0s 8ms/step
>26, 115/468, d=0.150, g=2.820
2/2 [==============================] - 0s 9ms/step
>26, 116/468, d=0.183, g=1.971
2/2 [==============================] - 0s 8ms/step
>26, 117/468, d=0.285, g=1.778
2/2 [==============================] - 0s 5ms/step
>26, 118/468, d=0.246, g=2.092
2/2 [==============================] - 0s 9ms/step
>26, 119/468, d=0.264, g=2.910
2/2 [==============================] - 0s 5ms/step
>26, 120/468, d=0.217, g=2.587
2/2 [==============================] - 0s 8ms/step
>26, 121/468, d=0.239, g=1.498
2/2 [==============================] - 0s 6ms/step
>26, 122/468, d=0.277, g=2.127
2/2 [==============================] - 0s 4ms/step
>26, 123/468, d=0.220, g=2.573
2/2 [==============================] - 0s 5ms/step
>26, 124/468, d=0.250, g=5.747
2/2 [==============================] - 0s 6ms/step
>26, 125/468, d=0.420, g=1.959
2/2 [==============================] - 0s 6ms/step
>26, 126/468, d=0.284, g=4.620
2/2 [==============================] - 0s 12ms/step
>26, 127/468, d=0.232, g=4.688
2/2 [==============================] - 0s 10ms/step
>26, 128/468, d=0.285, g=2.511
2/2 [==============================] - 0s 5ms/step
```

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>26, 129/468, d=0.361, g=1.795
2/2 [==============================] - 0s 10ms/step
>26, 130/468, d=0.449, g=3.293
2/2 [==============================] - 0s 6ms/step
>26, 131/468, d=0.369, g=2.010
2/2 [==============================] - 0s 4ms/step
>26, 132/468, d=0.396, g=2.160
2/2 [==============================] - 0s 11ms/step
>26, 133/468, d=0.337, g=7.636
2/2 [==============================] - 0s 6ms/step
>26, 134/468, d=0.388, g=3.539
2/2 [==============================] - 0s 7ms/step
>26, 135/468, d=0.222, g=0.994
2/2 [==============================] - 0s 6ms/step
>26, 136/468, d=0.379, g=2.558
2/2 [==============================] - 0s 12ms/step
>26, 137/468, d=0.328, g=1.557
2/2 [==============================] - 0s 7ms/step
>26, 138/468, d=0.220, g=3.425
2/2 [==============================] - 0s 7ms/step
>26, 139/468, d=0.239, g=3.428
2/2 [==============================] - 0s 13ms/step
>26, 140/468, d=0.254, g=3.229
2/2 [==============================] - 0s 8ms/step
>26, 141/468, d=0.199, g=2.534
2/2 [==============================] - 0s 7ms/step
>26, 142/468, d=0.247, g=2.555
2/2 [==============================] - 0s 10ms/step
>26, 143/468, d=0.333, g=3.233
2/2 [==============================] - 0s 5ms/step
>26, 144/468, d=0.257, g=3.417
2/2 [==============================] - 0s 8ms/step
>26, 145/468, d=0.276, g=2.460
2/2 [==============================] - 0s 5ms/step
>26, 146/468, d=0.190, g=2.638
2/2 [==============================] - 0s 9ms/step
>26, 147/468, d=0.227, g=2.829
2/2 [==============================] - 0s 14ms/step
>26, 148/468, d=0.271, g=2.806
2/2 [==============================] - 0s 7ms/step
>26, 149/468, d=0.261, g=2.570
2/2 [==============================] - 0s 11ms/step
>26, 150/468, d=0.197, g=3.581
2/2 [==============================] - 0s 11ms/step
>26, 151/468, d=0.395, g=3.291
2/2 [==============================] - 0s 5ms/step
>26, 152/468, d=0.249, g=3.105
2/2 [==============================] - 0s 8ms/step
>26, 153/468, d=0.257, g=3.001
2/2 [==============================] - 0s 5ms/step
>26, 154/468, d=0.312, g=2.646
2/2 [==============================] - 0s 7ms/step
>26, 155/468, d=0.205, g=3.825
2/2 [==============================] - 0s 4ms/step
>26, 156/468, d=0.214, g=3.299
2/2 [==============================] - 0s 14ms/step
>26, 157/468, d=0.172, g=2.409
2/2 [==============================] - 0s 14ms/step
>26, 158/468, d=0.205, g=1.482
2/2 [==============================] - 0s 7ms/step
>26, 159/468, d=0.296, g=0.571
2/2 [==============================] - 0s 8ms/step
>26, 160/468, d=0.292, g=2.676
2/2 [==============================] - 0s 5ms/step
```

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>26, 161/468, d=0.240, g=4.342
2/2 [==============================] - 0s 14ms/step
>26, 162/468, d=0.262, g=3.440
2/2 [==============================] - 0s 5ms/step
>26, 163/468, d=0.225, g=3.262
2/2 [==============================] - 0s 7ms/step
>26, 164/468, d=0.350, g=0.698
2/2 [==============================] - 0s 8ms/step
>26, 165/468, d=0.246, g=0.598
2/2 [==============================] - 0s 5ms/step
>26, 166/468, d=0.329, g=1.650
2/2 [==============================] - 0s 6ms/step
>26, 167/468, d=0.244, g=2.007
2/2 [==============================] - 0s 7ms/step
>26, 168/468, d=0.384, g=2.085
2/2 [==============================] - 0s 7ms/step
>26, 169/468, d=0.354, g=5.728
2/2 [==============================] - 0s 5ms/step
>26, 170/468, d=0.284, g=5.074
2/2 [==============================] - 0s 6ms/step
>26, 171/468, d=0.374, g=3.207
2/2 [==============================] - 0s 6ms/step
>26, 172/468, d=0.190, g=2.232
2/2 [==============================] - 0s 7ms/step
>26, 173/468, d=0.340, g=3.550
2/2 [==============================] - 0s 7ms/step
>26, 174/468, d=0.263, g=4.246
2/2 [==============================] - 0s 8ms/step
>26, 175/468, d=0.262, g=2.522
2/2 [==============================] - 0s 7ms/step
>26, 176/468, d=0.238, g=1.464
2/2 [==============================] - 0s 5ms/step
>26, 177/468, d=0.246, g=4.407
2/2 [==============================] - 0s 10ms/step
>26, 178/468, d=0.271, g=3.991
2/2 [==============================] - 0s 8ms/step
>26, 179/468, d=0.286, g=2.890
2/2 [==============================] - 0s 9ms/step
>26, 180/468, d=0.283, g=2.988
2/2 [==============================] - 0s 5ms/step
>26, 181/468, d=0.283, g=3.688
2/2 [==============================] - 0s 9ms/step
>26, 182/468, d=0.290, g=1.945
2/2 [==============================] - 0s 6ms/step
>26, 183/468, d=0.242, g=2.377
2/2 [==============================] - 0s 5ms/step
>26, 184/468, d=0.216, g=2.177
2/2 [==============================] - 0s 5ms/step
>26, 185/468, d=0.306, g=2.447
2/2 [==============================] - 0s 5ms/step
>26, 186/468, d=0.354, g=6.181
2/2 [==============================] - 0s 5ms/step
>26, 187/468, d=0.260, g=4.567
2/2 [==============================] - 0s 5ms/step
>26, 188/468, d=0.275, g=5.346
2/2 [==============================] - 0s 6ms/step
>26, 189/468, d=0.275, g=3.506
2/2 [==============================] - 0s 14ms/step
>26, 190/468, d=0.240, g=4.545
2/2 [==============================] - 0s 4ms/step
>26, 191/468, d=0.206, g=4.120
2/2 [==============================] - 0s 5ms/step
>26, 192/468, d=0.223, g=3.071
2/2 [==============================] - 0s 5ms/step
```

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>26, 193/468, d=0.247, g=3.091
2/2 [==============================] - 0s 11ms/step
>26, 194/468, d=0.193, g=2.792
2/2 [==============================] - 0s 5ms/step
>26, 195/468, d=0.213, g=3.921
2/2 [==============================] - 0s 5ms/step
>26, 196/468, d=0.270, g=4.190
2/2 [==============================] - 0s 7ms/step
>26, 197/468, d=0.213, g=1.902
2/2 [==============================] - 0s 5ms/step
>26, 198/468, d=0.204, g=2.178
2/2 [==============================] - 0s 4ms/step
>26, 199/468, d=0.234, g=3.407
2/2 [==============================] - 0s 10ms/step
>26, 200/468, d=0.324, g=2.784
2/2 [==============================] - 0s 5ms/step
>26, 201/468, d=0.259, g=1.119
2/2 [==============================] - 0s 10ms/step
>26, 202/468, d=0.279, g=1.712
2/2 [==============================] - 0s 8ms/step
>26, 203/468, d=0.230, g=1.515
2/2 [==============================] - 0s 7ms/step
>26, 204/468, d=0.304, g=1.158
2/2 [==============================] - 0s 6ms/step
>26, 205/468, d=0.218, g=1.563
2/2 [==============================] - 0s 4ms/step
>26, 206/468, d=0.194, g=1.289
2/2 [==============================] - 0s 11ms/step
>26, 207/468, d=0.363, g=2.899
2/2 [==============================] - 0s 6ms/step
>26, 208/468, d=0.231, g=5.417
2/2 [==============================] - 0s 8ms/step
>26, 209/468, d=0.277, g=3.788
2/2 [==============================] - 0s 6ms/step
>26, 210/468, d=0.227, g=4.098
2/2 [==============================] - 0s 6ms/step
>26, 211/468, d=0.184, g=4.352
2/2 [==============================] - 0s 8ms/step
>26, 212/468, d=0.311, g=7.002
2/2 [==============================] - 0s 18ms/step
>26, 213/468, d=0.392, g=3.990
2/2 [==============================] - 0s 11ms/step
>26, 214/468, d=0.364, g=1.398
2/2 [==============================] - 0s 4ms/step
>26, 215/468, d=0.271, g=1.645
2/2 [==============================] - 0s 7ms/step
>26, 216/468, d=0.294, g=4.398
2/2 [==============================] - 0s 9ms/step
>26, 217/468, d=0.259, g=3.541
2/2 [==============================] - 0s 14ms/step
>26, 218/468, d=0.267, g=1.901
2/2 [==============================] - 0s 5ms/step
>26, 219/468, d=0.221, g=2.156
2/2 [==============================] - 0s 11ms/step
>26, 220/468, d=0.297, g=3.904
2/2 [==============================] - 0s 5ms/step
>26, 221/468, d=0.203, g=3.824
2/2 [==============================] - 0s 10ms/step
>26, 222/468, d=0.341, g=3.476
2/2 [==============================] - 0s 6ms/step
>26, 223/468, d=0.337, g=6.163
2/2 [==============================] - 0s 5ms/step
>26, 224/468, d=0.150, g=6.825
2/2 [==============================] - 0s 14ms/step
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>26, 225/468, d=0.267, g=4.789
2/2 [==============================] - 0s 8ms/step
>26, 226/468, d=0.218, g=3.875
2/2 [==============================] - 0s 11ms/step
>26, 227/468, d=0.200, g=3.813
2/2 [==============================] - 0s 14ms/step
>26, 228/468, d=0.234, g=1.946
2/2 [==============================] - 0s 6ms/step
>26, 229/468, d=0.326, g=1.952
2/2 [==============================] - 0s 6ms/step
>26, 230/468, d=0.252, g=3.441
2/2 [==============================] - 0s 5ms/step
>26, 231/468, d=0.248, g=3.284
2/2 [==============================] - 0s 6ms/step
>26, 232/468, d=0.205, g=1.294
2/2 [==============================] - 0s 6ms/step
>26, 233/468, d=0.205, g=0.456
2/2 [==============================] - 0s 8ms/step
>26, 234/468, d=0.294, g=1.572
2/2 [==============================] - 0s 4ms/step
>26, 235/468, d=0.216, g=2.748
2/2 [==============================] - 0s 13ms/step
>26, 236/468, d=0.206, g=3.240
2/2 [==============================] - 0s 6ms/step
>26, 237/468, d=0.366, g=3.741
2/2 [==============================] - 0s 11ms/step
>26, 238/468, d=0.182, g=3.059
2/2 [==============================] - 0s 6ms/step
>26, 239/468, d=0.216, g=2.828
2/2 [==============================] - 0s 15ms/step
>26, 240/468, d=0.206, g=2.302
2/2 [==============================] - 0s 6ms/step
>26, 241/468, d=0.270, g=4.766
2/2 [==============================] - 0s 10ms/step
>26, 242/468, d=0.205, g=5.114
2/2 [==============================] - 0s 5ms/step
>26, 243/468, d=0.270, g=1.361
2/2 [==============================] - 0s 17ms/step
>26, 244/468, d=0.336, g=2.192
2/2 [==============================] - 0s 6ms/step
>26, 245/468, d=0.215, g=2.663
2/2 [==============================] - 0s 6ms/step
>26, 246/468, d=0.325, g=8.482
2/2 [==============================] - 0s 12ms/step
>26, 247/468, d=0.550, g=0.709
2/2 [==============================] - 0s 15ms/step
>26, 248/468, d=0.165, g=0.270
2/2 [==============================] - 0s 5ms/step
>26, 249/468, d=0.211, g=0.404
2/2 [==============================] - 0s 8ms/step
>26, 250/468, d=0.105, g=0.492
2/2 [==============================] - 0s 7ms/step
>26, 251/468, d=0.252, g=1.428
2/2 [==============================] - 0s 5ms/step
>26, 252/468, d=0.281, g=1.759
2/2 [==============================] - 0s 6ms/step
>26, 253/468, d=0.246, g=2.790
2/2 [==============================] - 0s 4ms/step
>26, 254/468, d=0.245, g=7.496
2/2 [==============================] - 0s 8ms/step
>26, 255/468, d=0.263, g=5.722
2/2 [==============================] - 0s 6ms/step
>26, 256/468, d=0.280, g=3.215
2/2 [==============================] - 0s 11ms/step
```

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>26, 257/468, d=0.210, g=3.421
2/2 [==============================] - 0s 6ms/step
>26, 258/468, d=0.383, g=2.281
2/2 [==============================] - 0s 9ms/step
>26, 259/468, d=0.245, g=5.121
2/2 [==============================] - 0s 5ms/step
>26, 260/468, d=0.202, g=7.201
2/2 [==============================] - 0s 12ms/step
>26, 261/468, d=0.182, g=7.096
2/2 [==============================] - 0s 5ms/step
>26, 262/468, d=0.268, g=4.570
2/2 [==============================] - 0s 9ms/step
>26, 263/468, d=0.211, g=3.832
2/2 [==============================] - 0s 6ms/step
>26, 264/468, d=0.222, g=5.584
2/2 [==============================] - 0s 7ms/step
>26, 265/468, d=0.253, g=3.993
2/2 [==============================] - 0s 5ms/step
>26, 266/468, d=0.136, g=2.114
2/2 [==============================] - 0s 7ms/step
>26, 267/468, d=0.145, g=2.498
2/2 [==============================] - 0s 9ms/step
>26, 268/468, d=0.232, g=2.880
2/2 [==============================] - 0s 6ms/step
>26, 269/468, d=0.271, g=5.992
2/2 [==============================] - 0s 5ms/step
>26, 270/468, d=0.285, g=2.366
2/2 [==============================] - 0s 5ms/step
>26, 271/468, d=0.237, g=2.557
2/2 [==============================] - 0s 6ms/step
>26, 272/468, d=0.421, g=6.679
2/2 [==============================] - 0s 12ms/step
>26, 273/468, d=0.271, g=5.402
2/2 [==============================] - 0s 7ms/step
>26, 274/468, d=0.140, g=4.487
2/2 [==============================] - 0s 11ms/step
>26, 275/468, d=0.166, g=3.685
2/2 [==============================] - 0s 7ms/step
>26, 276/468, d=0.223, g=2.566
2/2 [==============================] - 0s 9ms/step
>26, 277/468, d=0.292, g=5.180
2/2 [==============================] - 0s 5ms/step
>26, 278/468, d=0.349, g=4.175
2/2 [==============================] - 0s 7ms/step
>26, 279/468, d=0.240, g=3.845
2/2 [==============================] - 0s 10ms/step
>26, 280/468, d=0.232, g=3.171
2/2 [==============================] - 0s 5ms/step
>26, 281/468, d=0.410, g=3.863
2/2 [==============================] - 0s 11ms/step
>26, 282/468, d=0.202, g=4.110
2/2 [==============================] - 0s 5ms/step
>26, 283/468, d=0.165, g=2.997
2/2 [==============================] - 0s 6ms/step
>26, 284/468, d=0.242, g=2.161
2/2 [==============================] - 0s 7ms/step
>26, 285/468, d=0.338, g=1.918
2/2 [==============================] - 0s 8ms/step
>26, 286/468, d=0.261, g=2.220
2/2 [==============================] - 0s 11ms/step
>26, 287/468, d=0.281, g=1.924
2/2 [==============================] - 0s 8ms/step
>26, 288/468, d=0.283, g=1.553
2/2 [==============================] - 0s 8ms/step
```

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>26, 289/468, d=0.361, g=4.090
2/2 [==============================] - 0s 10ms/step
>26, 290/468, d=0.178, g=3.003
2/2 [==============================] - 0s 6ms/step
>26, 291/468, d=0.258, g=1.781
2/2 [==============================] - 0s 6ms/step
>26, 292/468, d=0.235, g=1.432
2/2 [==============================] - 0s 7ms/step
>26, 293/468, d=0.232, g=2.185
2/2 [==============================] - 0s 5ms/step
>26, 294/468, d=0.224, g=1.972
2/2 [==============================] - 0s 18ms/step
>26, 295/468, d=0.209, g=3.333
2/2 [==============================] - 0s 11ms/step
>26, 296/468, d=0.300, g=2.117
2/2 [==============================] - 0s 11ms/step
>26, 297/468, d=0.193, g=2.324
2/2 [==============================] - 0s 9ms/step
>26, 298/468, d=0.241, g=3.439
2/2 [==============================] - 0s 8ms/step
>26, 299/468, d=0.210, g=4.247
2/2 [==============================] - 0s 8ms/step
>26, 300/468, d=0.212, g=3.257
2/2 [==============================] - 0s 10ms/step
>26, 301/468, d=0.249, g=3.041
2/2 [==============================] - 0s 6ms/step
>26, 302/468, d=0.216, g=5.017
2/2 [==============================] - 0s 4ms/step
>26, 303/468, d=0.288, g=2.113
2/2 [==============================] - 0s 14ms/step
>26, 304/468, d=0.237, g=1.967
2/2 [==============================] - 0s 5ms/step
>26, 305/468, d=0.231, g=3.567
2/2 [==============================] - 0s 13ms/step
>26, 306/468, d=0.237, g=3.006
2/2 [==============================] - 0s 12ms/step
>26, 307/468, d=0.227, g=3.165
2/2 [==============================] - 0s 6ms/step
>26, 308/468, d=0.288, g=3.809
2/2 [==============================] - 0s 12ms/step
>26, 309/468, d=0.241, g=3.992
2/2 [==============================] - 0s 5ms/step
>26, 310/468, d=0.233, g=4.346
2/2 [==============================] - 0s 11ms/step
>26, 311/468, d=0.366, g=1.741
2/2 [==============================] - 0s 5ms/step
>26, 312/468, d=0.330, g=1.253
2/2 [==============================] - 0s 5ms/step
>26, 313/468, d=0.218, g=2.872
2/2 [==============================] - 0s 11ms/step
>26, 314/468, d=0.252, g=1.272
2/2 [==============================] - 0s 4ms/step
>26, 315/468, d=0.198, g=1.931
2/2 [==============================] - 0s 5ms/step
>26, 316/468, d=0.312, g=2.189
2/2 [==============================] - 0s 9ms/step
>26, 317/468, d=0.279, g=3.346
2/2 [==============================] - 0s 6ms/step
>26, 318/468, d=0.299, g=2.582
2/2 [==============================] - 0s 6ms/step
>26, 319/468, d=0.342, g=3.532
2/2 [==============================] - 0s 6ms/step
>26, 320/468, d=0.180, g=3.499
2/2 [==============================] - 0s 6ms/step
```

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>26, 321/468, d=0.136, g=2.645
2/2 [==============================] - 0s 6ms/step
>26, 322/468, d=0.343, g=1.379
2/2 [==============================] - 0s 6ms/step
>26, 323/468, d=0.278, g=2.572
2/2 [==============================] - 0s 6ms/step
>26, 324/468, d=0.254, g=2.848
2/2 [==============================] - 0s 14ms/step
>26, 325/468, d=0.234, g=2.722
2/2 [==============================] - 0s 11ms/step
>26, 326/468, d=0.229, g=3.231
2/2 [==============================] - 0s 5ms/step
>26, 327/468, d=0.221, g=5.875
2/2 [==============================] - 0s 7ms/step
>26, 328/468, d=0.278, g=4.192
2/2 [==============================] - 0s 14ms/step
>26, 329/468, d=0.323, g=1.452
2/2 [==============================] - 0s 9ms/step
>26, 330/468, d=0.216, g=1.635
2/2 [==============================] - 0s 9ms/step
>26, 331/468, d=0.270, g=2.661
2/2 [==============================] - 0s 6ms/step
>26, 332/468, d=0.288, g=2.338
2/2 [==============================] - 0s 13ms/step
>26, 333/468, d=0.264, g=3.884
2/2 [==============================] - 0s 9ms/step
>26, 334/468, d=0.181, g=4.224
2/2 [==============================] - 0s 8ms/step
>26, 335/468, d=0.342, g=1.133
2/2 [==============================] - 0s 6ms/step
>26, 336/468, d=0.209, g=0.897
2/2 [==============================] - 0s 6ms/step
>26, 337/468, d=0.377, g=3.144
2/2 [==============================] - 0s 7ms/step
>26, 338/468, d=0.223, g=4.726
2/2 [==============================] - 0s 11ms/step
>26, 339/468, d=0.217, g=4.885
2/2 [==============================] - 0s 6ms/step
>26, 340/468, d=0.193, g=5.092
2/2 [==============================] - 0s 6ms/step
>26, 341/468, d=0.176, g=4.456
2/2 [==============================] - 0s 7ms/step
>26, 342/468, d=0.300, g=3.615
2/2 [==============================] - 0s 8ms/step
>26, 343/468, d=0.232, g=3.672
2/2 [==============================] - 0s 6ms/step
>26, 344/468, d=0.289, g=2.464
2/2 [==============================] - 0s 16ms/step
>26, 345/468, d=0.191, g=1.627
2/2 [==============================] - 0s 5ms/step
>26, 346/468, d=0.215, g=1.004
2/2 [==============================] - 0s 5ms/step
>26, 347/468, d=0.198, g=2.560
2/2 [==============================] - 0s 6ms/step
>26, 348/468, d=0.289, g=5.815
2/2 [==============================] - 0s 12ms/step
>26, 349/468, d=0.291, g=3.693
2/2 [==============================] - 0s 9ms/step
>26, 350/468, d=0.268, g=1.580
2/2 [==============================] - 0s 6ms/step
>26, 351/468, d=0.241, g=3.004
2/2 [==============================] - 0s 10ms/step
>26, 352/468, d=0.255, g=3.895
2/2 [==============================] - 0s 9ms/step
```

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>26, 353/468, d=0.226, g=5.268
2/2 [==============================] - 0s 9ms/step
>26, 354/468, d=0.194, g=4.354
2/2 [==============================] - 0s 20ms/step
>26, 355/468, d=0.226, g=3.767
2/2 [==============================] - 0s 5ms/step
>26, 356/468, d=0.252, g=2.735
2/2 [==============================] - 0s 7ms/step
>26, 357/468, d=0.150, g=2.837
2/2 [==============================] - 0s 13ms/step
>26, 358/468, d=0.250, g=0.717
2/2 [==============================] - 0s 16ms/step
>26, 359/468, d=0.281, g=1.240
2/2 [==============================] - 0s 6ms/step
>26, 360/468, d=0.390, g=3.556
2/2 [==============================] - 0s 12ms/step
>26, 361/468, d=0.246, g=3.805
2/2 [==============================] - 0s 6ms/step
>26, 362/468, d=0.177, g=2.552
2/2 [==============================] - 0s 7ms/step
>26, 363/468, d=0.259, g=2.790
2/2 [==============================] - 0s 10ms/step
>26, 364/468, d=0.242, g=2.956
2/2 [==============================] - 0s 14ms/step
>26, 365/468, d=0.216, g=1.982
2/2 [==============================] - 0s 10ms/step
>26, 366/468, d=0.382, g=4.368
2/2 [==============================] - 0s 9ms/step
>26, 367/468, d=0.226, g=7.125
2/2 [==============================] - 0s 8ms/step
>26, 368/468, d=0.287, g=2.379
2/2 [==============================] - 0s 10ms/step
>26, 369/468, d=0.133, g=1.202
2/2 [==============================] - 0s 6ms/step
>26, 370/468, d=0.177, g=2.964
2/2 [==============================] - 0s 10ms/step
>26, 371/468, d=0.219, g=4.192
2/2 [==============================] - 0s 10ms/step
>26, 372/468, d=0.226, g=2.217
2/2 [==============================] - 0s 7ms/step
>26, 373/468, d=0.293, g=3.396
2/2 [==============================] - 0s 7ms/step
>26, 374/468, d=0.274, g=5.042
2/2 [==============================] - 0s 6ms/step
>26, 375/468, d=0.246, g=3.775
2/2 [==============================] - 0s 5ms/step
>26, 376/468, d=0.271, g=2.640
2/2 [==============================] - 0s 6ms/step
>26, 377/468, d=0.245, g=2.853
2/2 [==============================] - 0s 13ms/step
>26, 378/468, d=0.288, g=4.544
2/2 [==============================] - 0s 10ms/step
>26, 379/468, d=0.216, g=4.879
2/2 [==============================] - 0s 10ms/step
>26, 380/468, d=0.283, g=4.198
2/2 [==============================] - 0s 7ms/step
>26, 381/468, d=0.294, g=2.728
2/2 [==============================] - 0s 6ms/step
>26, 382/468, d=0.251, g=1.425
2/2 [==============================] - 0s 15ms/step
>26, 383/468, d=0.286, g=1.087
2/2 [==============================] - 0s 11ms/step
>26, 384/468, d=0.298, g=7.364
2/2 [==============================] - 0s 5ms/step
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>26, 385/468, d=0.204, g=5.311
2/2 [==============================] - 0s 9ms/step
>26, 386/468, d=0.249, g=1.180
2/2 [==============================] - 0s 12ms/step
>26, 387/468, d=0.167, g=0.784
2/2 [==============================] - 0s 8ms/step
>26, 388/468, d=0.190, g=1.224
2/2 [==============================] - 0s 12ms/step
>26, 389/468, d=0.275, g=3.137
2/2 [==============================] - 0s 6ms/step
>26, 390/468, d=0.303, g=4.629
2/2 [==============================] - 0s 6ms/step
>26, 391/468, d=0.249, g=3.972
2/2 [==============================] - 0s 12ms/step
>26, 392/468, d=0.319, g=1.878
2/2 [==============================] - 0s 15ms/step
>26, 393/468, d=0.352, g=3.065
2/2 [==============================] - 0s 6ms/step
>26, 394/468, d=0.274, g=2.808
2/2 [==============================] - 0s 6ms/step
>26, 395/468, d=0.250, g=3.360
2/2 [==============================] - 0s 7ms/step
>26, 396/468, d=0.273, g=5.196
2/2 [==============================] - 0s 9ms/step
>26, 397/468, d=0.255, g=4.205
2/2 [==============================] - 0s 7ms/step
>26, 398/468, d=0.289, g=2.962
2/2 [==============================] - 0s 6ms/step
>26, 399/468, d=0.288, g=4.816
2/2 [==============================] - 0s 6ms/step
>26, 400/468, d=0.187, g=6.797
2/2 [==============================] - 0s 5ms/step
>26, 401/468, d=0.143, g=5.949
2/2 [==============================] - 0s 15ms/step
>26, 402/468, d=0.215, g=2.717
2/2 [==============================] - 0s 11ms/step
>26, 403/468, d=0.297, g=3.898
2/2 [==============================] - 0s 6ms/step
>26, 404/468, d=0.282, g=4.743
2/2 [==============================] - 0s 7ms/step
>26, 405/468, d=0.263, g=2.592
2/2 [==============================] - 0s 7ms/step
>26, 406/468, d=0.234, g=2.725
2/2 [==============================] - 0s 5ms/step
>26, 407/468, d=0.285, g=3.419
2/2 [==============================] - 0s 13ms/step
>26, 408/468, d=0.195, g=2.554
2/2 [==============================] - 0s 5ms/step
>26, 409/468, d=0.252, g=5.469
2/2 [==============================] - 0s 15ms/step
>26, 410/468, d=0.230, g=5.376
2/2 [==============================] - 0s 14ms/step
>26, 411/468, d=0.263, g=2.847
2/2 [==============================] - 0s 6ms/step
>26, 412/468, d=0.244, g=2.135
2/2 [==============================] - 0s 13ms/step
>26, 413/468, d=0.318, g=4.852
2/2 [==============================] - 0s 9ms/step
>26, 414/468, d=0.310, g=6.539
2/2 [==============================] - 0s 5ms/step
>26, 415/468, d=0.269, g=2.293
2/2 [==============================] - 0s 5ms/step
>26, 416/468, d=0.189, g=1.058
2/2 [==============================] - 0s 7ms/step
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>26, 417/468, d=0.233, g=3.170
2/2 [==============================] - 0s 8ms/step
>26, 418/468, d=0.251, g=1.977
2/2 [==============================] - 0s 5ms/step
>26, 419/468, d=0.225, g=0.672
2/2 [==============================] - 0s 6ms/step
>26, 420/468, d=0.299, g=2.630
2/2 [==============================] - 0s 8ms/step
>26, 421/468, d=0.221, g=2.898
2/2 [==============================] - 0s 8ms/step
>26, 422/468, d=0.259, g=2.355
2/2 [==============================] - 0s 7ms/step
>26, 423/468, d=0.309, g=2.657
2/2 [==============================] - 0s 6ms/step
>26, 424/468, d=0.269, g=3.669
2/2 [==============================] - 0s 5ms/step
>26, 425/468, d=0.289, g=3.309
2/2 [==============================] - 0s 10ms/step
>26, 426/468, d=0.328, g=4.144
2/2 [==============================] - 0s 9ms/step
>26, 427/468, d=0.213, g=5.575
2/2 [==============================] - 0s 8ms/step
>26, 428/468, d=0.250, g=3.740
2/2 [==============================] - 0s 9ms/step
>26, 429/468, d=0.207, g=3.500
2/2 [==============================] - 0s 8ms/step
>26, 430/468, d=0.096, g=3.682
2/2 [==============================] - 0s 7ms/step
>26, 431/468, d=0.297, g=6.581
2/2 [==============================] - 0s 7ms/step
>26, 432/468, d=0.254, g=3.509
2/2 [==============================] - 0s 6ms/step
>26, 433/468, d=0.263, g=3.819
2/2 [==============================] - 0s 12ms/step
>26, 434/468, d=0.250, g=4.290
2/2 [==============================] - 0s 7ms/step
>26, 435/468, d=0.178, g=3.850
2/2 [==============================] - 0s 7ms/step
>26, 436/468, d=0.257, g=2.309
2/2 [==============================] - 0s 5ms/step
>26, 437/468, d=0.228, g=1.955
2/2 [==============================] - 0s 7ms/step
>26, 438/468, d=0.274, g=2.768
2/2 [==============================] - 0s 6ms/step
>26, 439/468, d=0.178, g=3.668
2/2 [==============================] - 0s 5ms/step
>26, 440/468, d=0.237, g=2.733
2/2 [==============================] - 0s 8ms/step
>26, 441/468, d=0.302, g=1.119
2/2 [==============================] - 0s 6ms/step
>26, 442/468, d=0.338, g=3.441
2/2 [==============================] - 0s 6ms/step
>26, 443/468, d=0.236, g=2.967
2/2 [==============================] - 0s 13ms/step
>26, 444/468, d=0.347, g=2.866
2/2 [==============================] - 0s 4ms/step
>26, 445/468, d=0.209, g=4.666
2/2 [==============================] - 0s 7ms/step
>26, 446/468, d=0.241, g=2.863
2/2 [==============================] - 0s 14ms/step
>26, 447/468, d=0.236, g=1.252
2/2 [==============================] - 0s 5ms/step
>26, 448/468, d=0.219, g=1.501
2/2 [==============================] - 0s 5ms/step
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>26, 449/468, d=0.276, g=2.827
2/2 [==============================] - 0s 7ms/step
>26, 450/468, d=0.263, g=1.943
2/2 [==============================] - 0s 5ms/step
>26, 451/468, d=0.341, g=3.715
2/2 [==============================] - 0s 10ms/step
>26, 452/468, d=0.355, g=2.503
2/2 [==============================] - 0s 11ms/step
>26, 453/468, d=0.212, g=4.468
2/2 [==============================] - 0s 5ms/step
>26, 454/468, d=0.247, g=3.287
2/2 [==============================] - 0s 4ms/step
>26, 455/468, d=0.301, g=3.307
2/2 [==============================] - 0s 9ms/step
>26, 456/468, d=0.309, g=3.665
2/2 [==============================] - 0s 4ms/step
>26, 457/468, d=0.261, g=2.681
2/2 [==============================] - 0s 6ms/step
>26, 458/468, d=0.314, g=2.336
2/2 [==============================] - 0s 6ms/step
>26, 459/468, d=0.287, g=3.462
2/2 [==============================] - 0s 6ms/step
>26, 460/468, d=0.313, g=6.711
2/2 [==============================] - 0s 6ms/step
>26, 461/468, d=0.241, g=3.723
2/2 [==============================] - 0s 9ms/step
>26, 462/468, d=0.214, g=2.337
2/2 [==============================] - 0s 6ms/step
>26, 463/468, d=0.235, g=3.249
2/2 [==============================] - 0s 10ms/step
>26, 464/468, d=0.300, g=1.491
2/2 [==============================] - 0s 6ms/step
>26, 465/468, d=0.222, g=2.232
2/2 [==============================] - 0s 6ms/step
>26, 466/468, d=0.227, g=2.058
2/2 [==============================] - 0s 6ms/step
>26, 467/468, d=0.325, g=5.248
2/2 [==============================] - 0s 5ms/step
>26, 468/468, d=0.329, g=2.740
2/2 [==============================] - 0s 9ms/step
>27, 1/468, d=0.255, g=1.168
2/2 [==============================] - 0s 7ms/step
>27, 2/468, d=0.244, g=1.172
2/2 [==============================] - 0s 6ms/step
>27, 3/468, d=0.333, g=3.429
2/2 [==============================] - 0s 7ms/step
>27, 4/468, d=0.326, g=1.688
2/2 [==============================] - 0s 6ms/step
>27, 5/468, d=0.405, g=0.963
2/2 [==============================] - 0s 7ms/step
>27, 6/468, d=0.333, g=3.131
2/2 [==============================] - 0s 5ms/step
>27, 7/468, d=0.357, g=4.087
2/2 [==============================] - 0s 12ms/step
>27, 8/468, d=0.431, g=2.905
2/2 [==============================] - 0s 4ms/step
>27, 9/468, d=0.352, g=4.151
2/2 [==============================] - 0s 8ms/step
>27, 10/468, d=0.359, g=7.242
2/2 [==============================] - 0s 12ms/step
>27, 11/468, d=0.338, g=3.834
2/2 [==============================] - 0s 8ms/step
>27, 12/468, d=0.300, g=3.742
2/2 [==============================] - 0s 8ms/step
```

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>27, 13/468, d=0.258, g=2.142
2/2 [==============================] - 0s 12ms/step
>27, 14/468, d=0.242, g=2.109
2/2 [==============================] - 0s 5ms/step
>27, 15/468, d=0.311, g=2.737
2/2 [==============================] - 0s 12ms/step
>27, 16/468, d=0.292, g=1.405
2/2 [==============================] - 0s 5ms/step
>27, 17/468, d=0.339, g=3.693
2/2 [==============================] - 0s 4ms/step
>27, 18/468, d=0.315, g=3.095
2/2 [==============================] - 0s 7ms/step
>27, 19/468, d=0.308, g=2.509
2/2 [==============================] - 0s 7ms/step
>27, 20/468, d=0.250, g=3.626
2/2 [==============================] - 0s 6ms/step
>27, 21/468, d=0.298, g=1.827
2/2 [==============================] - 0s 8ms/step
>27, 22/468, d=0.221, g=3.320
2/2 [==============================] - 0s 12ms/step
>27, 23/468, d=0.231, g=3.481
2/2 [==============================] - 0s 9ms/step
>27, 24/468, d=0.261, g=2.687
2/2 [==============================] - 0s 7ms/step
>27, 25/468, d=0.172, g=1.886
2/2 [==============================] - 0s 8ms/step
>27, 26/468, d=0.271, g=2.809
2/2 [==============================] - 0s 6ms/step
>27, 27/468, d=0.345, g=4.343
2/2 [==============================] - 0s 7ms/step
>27, 28/468, d=0.286, g=3.289
2/2 [==============================] - 0s 12ms/step
>27, 29/468, d=0.294, g=3.366
2/2 [==============================] - 0s 9ms/step
>27, 30/468, d=0.222, g=3.221
2/2 [==============================] - 0s 7ms/step
>27, 31/468, d=0.195, g=2.980
2/2 [==============================] - 0s 5ms/step
>27, 32/468, d=0.396, g=1.770
2/2 [==============================] - 0s 10ms/step
>27, 33/468, d=0.172, g=2.419
2/2 [==============================] - 0s 9ms/step
>27, 34/468, d=0.206, g=3.359
2/2 [==============================] - 0s 5ms/step
>27, 35/468, d=0.248, g=4.216
2/2 [==============================] - 0s 5ms/step
>27, 36/468, d=0.252, g=3.413
2/2 [==============================] - 0s 5ms/step
>27, 37/468, d=0.259, g=3.102
2/2 [==============================] - 0s 9ms/step
>27, 38/468, d=0.220, g=2.926
2/2 [==============================] - 0s 8ms/step
>27, 39/468, d=0.293, g=2.176
2/2 [==============================] - 0s 10ms/step
>27, 40/468, d=0.275, g=2.236
2/2 [==============================] - 0s 6ms/step
>27, 41/468, d=0.312, g=5.214
2/2 [==============================] - 0s 12ms/step
>27, 42/468, d=0.290, g=2.742
2/2 [==============================] - 0s 6ms/step
>27, 43/468, d=0.281, g=2.172
2/2 [==============================] - 0s 13ms/step
>27, 44/468, d=0.299, g=2.634
2/2 [==============================] - 0s 6ms/step
```

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>27, 45/468, d=0.126, g=2.846
2/2 [==============================] - 0s 7ms/step
>27, 46/468, d=0.276, g=3.398
2/2 [==============================] - 0s 9ms/step
>27, 47/468, d=0.218, g=2.670
2/2 [==============================] - 0s 13ms/step
>27, 48/468, d=0.383, g=5.173
2/2 [==============================] - 0s 15ms/step
>27, 49/468, d=0.222, g=4.446
2/2 [==============================] - 0s 6ms/step
>27, 50/468, d=0.201, g=2.574
2/2 [==============================] - 0s 6ms/step
>27, 51/468, d=0.326, g=2.287
2/2 [==============================] - 0s 6ms/step
>27, 52/468, d=0.237, g=2.713
2/2 [==============================] - 0s 15ms/step
>27, 53/468, d=0.233, g=2.167
2/2 [==============================] - 0s 6ms/step
>27, 54/468, d=0.233, g=1.933
2/2 [==============================] - 0s 9ms/step
>27, 55/468, d=0.239, g=1.629
2/2 [==============================] - 0s 14ms/step
>27, 56/468, d=0.309, g=2.267
2/2 [==============================] - 0s 11ms/step
>27, 57/468, d=0.249, g=3.654
2/2 [==============================] - 0s 9ms/step
>27, 58/468, d=0.330, g=2.589
2/2 [==============================] - 0s 8ms/step
>27, 59/468, d=0.282, g=3.570
2/2 [==============================] - 0s 8ms/step
>27, 60/468, d=0.306, g=2.433
2/2 [==============================] - 0s 7ms/step
>27, 61/468, d=0.322, g=1.209
2/2 [==============================] - 0s 6ms/step
>27, 62/468, d=0.330, g=3.324
2/2 [==============================] - 0s 13ms/step
>27, 63/468, d=0.386, g=1.008
2/2 [==============================] - 0s 12ms/step
>27, 64/468, d=0.272, g=1.857
2/2 [==============================] - 0s 6ms/step
>27, 65/468, d=0.274, g=1.601
2/2 [==============================] - 0s 13ms/step
>27, 66/468, d=0.240, g=2.095
2/2 [==============================] - 0s 6ms/step
>27, 67/468, d=0.190, g=1.224
2/2 [==============================] - 0s 7ms/step
>27, 68/468, d=0.296, g=1.543
2/2 [==============================] - 0s 6ms/step
>27, 69/468, d=0.287, g=1.974
2/2 [==============================] - 0s 6ms/step
>27, 70/468, d=0.296, g=3.028
2/2 [==============================] - 0s 5ms/step
>27, 71/468, d=0.366, g=6.854
2/2 [==============================] - 0s 6ms/step
>27, 72/468, d=0.156, g=6.774
2/2 [==============================] - 0s 10ms/step
>27, 73/468, d=0.318, g=5.246
2/2 [==============================] - 0s 5ms/step
>27, 74/468, d=0.257, g=3.869
2/2 [==============================] - 0s 7ms/step
>27, 75/468, d=0.220, g=3.384
2/2 [==============================] - 0s 6ms/step
>27, 76/468, d=0.298, g=5.278
2/2 [==============================] - 0s 10ms/step
```

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>27, 77/468, d=0.209, g=4.605
2/2 [==============================] - 0s 6ms/step
>27, 78/468, d=0.251, g=3.198
2/2 [==============================] - 0s 6ms/step
>27, 79/468, d=0.299, g=2.448
2/2 [==============================] - 0s 6ms/step
>27, 80/468, d=0.312, g=3.771
2/2 [==============================] - 0s 4ms/step
>27, 81/468, d=0.349, g=2.754
2/2 [==============================] - 0s 10ms/step
>27, 82/468, d=0.224, g=3.354
2/2 [==============================] - 0s 11ms/step
>27, 83/468, d=0.230, g=1.796
2/2 [==============================] - 0s 6ms/step
>27, 84/468, d=0.343, g=1.903
2/2 [==============================] - 0s 7ms/step
>27, 85/468, d=0.286, g=1.586
2/2 [==============================] - 0s 12ms/step
>27, 86/468, d=0.292, g=1.745
2/2 [==============================] - 0s 9ms/step
>27, 87/468, d=0.349, g=2.313
2/2 [==============================] - 0s 7ms/step
>27, 88/468, d=0.180, g=4.803
2/2 [==============================] - 0s 7ms/step
>27, 89/468, d=0.350, g=1.694
2/2 [==============================] - 0s 5ms/step
>27, 90/468, d=0.339, g=3.136
2/2 [==============================] - 0s 10ms/step
>27, 91/468, d=0.278, g=3.025
2/2 [==============================] - 0s 6ms/step
>27, 92/468, d=0.272, g=2.625
2/2 [==============================] - 0s 9ms/step
>27, 93/468, d=0.216, g=2.147
2/2 [==============================] - 0s 8ms/step
>27, 94/468, d=0.370, g=4.320
2/2 [==============================] - 0s 10ms/step
>27, 95/468, d=0.237, g=4.568
2/2 [==============================] - 0s 7ms/step
>27, 96/468, d=0.298, g=3.343
2/2 [==============================] - 0s 10ms/step
>27, 97/468, d=0.189, g=2.259
2/2 [==============================] - 0s 5ms/step
>27, 98/468, d=0.125, g=1.583
2/2 [==============================] - 0s 5ms/step
>27, 99/468, d=0.265, g=0.760
2/2 [==============================] - 0s 5ms/step
>27, 100/468, d=0.244, g=2.971
2/2 [==============================] - 0s 9ms/step
>27, 101/468, d=0.273, g=3.592
2/2 [==============================] - 0s 6ms/step
>27, 102/468, d=0.234, g=3.477
2/2 [==============================] - 0s 6ms/step
>27, 103/468, d=0.260, g=2.503
2/2 [==============================] - 0s 4ms/step
>27, 104/468, d=0.218, g=2.280
2/2 [==============================] - 0s 6ms/step
>27, 105/468, d=0.265, g=3.144
2/2 [==============================] - 0s 11ms/step
>27, 106/468, d=0.257, g=1.501
2/2 [==============================] - 0s 5ms/step
>27, 107/468, d=0.282, g=2.760
2/2 [==============================] - 0s 5ms/step
>27, 108/468, d=0.275, g=3.192
2/2 [==============================] - 0s 7ms/step
```

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>27, 109/468, d=0.256, g=1.662
2/2 [==============================] - 0s 5ms/step
>27, 110/468, d=0.364, g=2.190
2/2 [==============================] - 0s 9ms/step
>27, 111/468, d=0.303, g=2.658
2/2 [==============================] - 0s 6ms/step
>27, 112/468, d=0.165, g=3.904
2/2 [==============================] - 0s 6ms/step
>27, 113/468, d=0.231, g=3.967
2/2 [==============================] - 0s 5ms/step
>27, 114/468, d=0.241, g=4.662
2/2 [==============================] - 0s 12ms/step
>27, 115/468, d=0.317, g=5.172
2/2 [==============================] - 0s 5ms/step
>27, 116/468, d=0.309, g=4.117
2/2 [==============================] - 0s 11ms/step
>27, 117/468, d=0.329, g=4.404
2/2 [==============================] - 0s 6ms/step
>27, 118/468, d=0.291, g=0.942
2/2 [==============================] - 0s 8ms/step
>27, 119/468, d=0.237, g=0.529
2/2 [==============================] - 0s 15ms/step
>27, 120/468, d=0.239, g=2.882
2/2 [==============================] - 0s 11ms/step
>27, 121/468, d=0.345, g=4.272
2/2 [==============================] - 0s 6ms/step
>27, 122/468, d=0.294, g=1.416
2/2 [==============================] - 0s 4ms/step
>27, 123/468, d=0.302, g=1.068
2/2 [==============================] - 0s 7ms/step
>27, 124/468, d=0.254, g=1.336
2/2 [==============================] - 0s 7ms/step
>27, 125/468, d=0.222, g=2.203
2/2 [==============================] - 0s 5ms/step
>27, 126/468, d=0.293, g=2.276
2/2 [==============================] - 0s 6ms/step
>27, 127/468, d=0.307, g=5.019
2/2 [==============================] - 0s 9ms/step
>27, 128/468, d=0.284, g=2.616
2/2 [==============================] - 0s 6ms/step
>27, 129/468, d=0.200, g=3.262
2/2 [==============================] - 0s 5ms/step
>27, 130/468, d=0.177, g=3.422
2/2 [==============================] - 0s 12ms/step
>27, 131/468, d=0.162, g=2.462
2/2 [==============================] - 0s 4ms/step
>27, 132/468, d=0.355, g=3.344
2/2 [==============================] - 0s 5ms/step
>27, 133/468, d=0.265, g=1.760
2/2 [==============================] - 0s 11ms/step
>27, 134/468, d=0.267, g=2.402
2/2 [==============================] - 0s 15ms/step
>27, 135/468, d=0.310, g=3.692
2/2 [==============================] - 0s 6ms/step
>27, 136/468, d=0.327, g=3.197
2/2 [==============================] - 0s 13ms/step
>27, 137/468, d=0.261, g=4.491
2/2 [==============================] - 0s 4ms/step
>27, 138/468, d=0.354, g=6.542
2/2 [==============================] - 0s 13ms/step
>27, 139/468, d=0.352, g=2.114
2/2 [==============================] - 0s 5ms/step
>27, 140/468, d=0.293, g=1.073
2/2 [==============================] - 0s 8ms/step
```

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>27, 141/468, d=0.381, g=4.373
2/2 [==============================] - 0s 4ms/step
>27, 142/468, d=0.291, g=4.798
2/2 [==============================] - 0s 9ms/step
>27, 143/468, d=0.261, g=2.225
2/2 [==============================] - 0s 5ms/step
>27, 144/468, d=0.267, g=3.942
2/2 [==============================] - 0s 12ms/step
>27, 145/468, d=0.291, g=2.168
2/2 [==============================] - 0s 5ms/step
>27, 146/468, d=0.227, g=2.705
2/2 [==============================] - 0s 16ms/step
>27, 147/468, d=0.328, g=7.686
2/2 [==============================] - 0s 16ms/step
>27, 148/468, d=0.367, g=3.612
2/2 [==============================] - 0s 13ms/step
>27, 149/468, d=0.283, g=2.026
2/2 [==============================] - 0s 7ms/step
>27, 150/468, d=0.273, g=3.482
2/2 [==============================] - 0s 4ms/step
>27, 151/468, d=0.225, g=2.660
2/2 [==============================] - 0s 11ms/step
>27, 152/468, d=0.211, g=1.389
2/2 [==============================] - 0s 10ms/step
>27, 153/468, d=0.309, g=4.668
2/2 [==============================] - 0s 6ms/step
>27, 154/468, d=0.352, g=1.380
2/2 [==============================] - 0s 5ms/step
>27, 155/468, d=0.220, g=1.195
2/2 [==============================] - 0s 11ms/step
>27, 156/468, d=0.289, g=2.472
2/2 [==============================] - 0s 9ms/step
>27, 157/468, d=0.219, g=4.197
2/2 [==============================] - 0s 11ms/step
>27, 158/468, d=0.347, g=3.915
2/2 [==============================] - 0s 11ms/step
>27, 159/468, d=0.263, g=4.598
2/2 [==============================] - 0s 7ms/step
>27, 160/468, d=0.205, g=1.709
2/2 [==============================] - 0s 6ms/step
>27, 161/468, d=0.319, g=1.232
2/2 [==============================] - 0s 8ms/step
>27, 162/468, d=0.255, g=1.675
2/2 [==============================] - 0s 10ms/step
>27, 163/468, d=0.269, g=2.501
2/2 [==============================] - 0s 6ms/step
>27, 164/468, d=0.183, g=2.546
2/2 [==============================] - 0s 6ms/step
>27, 165/468, d=0.311, g=2.899
2/2 [==============================] - 0s 4ms/step
>27, 166/468, d=0.273, g=2.477
2/2 [==============================] - 0s 7ms/step
>27, 167/468, d=0.344, g=6.002
2/2 [==============================] - 0s 7ms/step
>27, 168/468, d=0.253, g=3.943
2/2 [==============================] - 0s 6ms/step
>27, 169/468, d=0.249, g=1.676
2/2 [==============================] - 0s 16ms/step
>27, 170/468, d=0.165, g=1.779
2/2 [==============================] - 0s 8ms/step
>27, 171/468, d=0.290, g=3.058
2/2 [==============================] - 0s 7ms/step
>27, 172/468, d=0.357, g=8.213
2/2 [==============================] - 0s 10ms/step
```

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>27, 173/468, d=0.286, g=5.118
2/2 [==============================] - 0s 6ms/step
>27, 174/468, d=0.219, g=2.802
2/2 [==============================] - 0s 7ms/step
>27, 175/468, d=0.217, g=3.593
2/2 [==============================] - 0s 11ms/step
>27, 176/468, d=0.507, g=3.280
2/2 [==============================] - 0s 5ms/step
>27, 177/468, d=0.201, g=2.670
2/2 [==============================] - 0s 10ms/step
>27, 178/468, d=0.191, g=3.357
2/2 [==============================] - 0s 9ms/step
>27, 179/468, d=0.327, g=2.779
2/2 [==============================] - 0s 6ms/step
>27, 180/468, d=0.290, g=0.891
2/2 [==============================] - 0s 7ms/step
>27, 181/468, d=0.212, g=0.485
2/2 [==============================] - 0s 10ms/step
>27, 182/468, d=0.389, g=2.527
2/2 [==============================] - 0s 7ms/step
>27, 183/468, d=0.257, g=3.396
2/2 [==============================] - 0s 5ms/step
>27, 184/468, d=0.399, g=0.822
2/2 [==============================] - 0s 6ms/step
>27, 185/468, d=0.326, g=0.805
2/2 [==============================] - 0s 10ms/step
>27, 186/468, d=0.328, g=1.635
2/2 [==============================] - 0s 9ms/step
>27, 187/468, d=0.372, g=5.610
2/2 [==============================] - 0s 13ms/step
>27, 188/468, d=0.337, g=5.238
2/2 [==============================] - 0s 6ms/step
>27, 189/468, d=0.236, g=3.979
2/2 [==============================] - 0s 4ms/step
>27, 190/468, d=0.261, g=4.393
2/2 [==============================] - 0s 7ms/step
>27, 191/468, d=0.225, g=4.512
2/2 [==============================] - 0s 10ms/step
>27, 192/468, d=0.198, g=2.462
2/2 [==============================] - 0s 7ms/step
>27, 193/468, d=0.348, g=3.451
2/2 [==============================] - 0s 4ms/step
>27, 194/468, d=0.197, g=5.178
2/2 [==============================] - 0s 13ms/step
>27, 195/468, d=0.265, g=5.290
2/2 [==============================] - 0s 5ms/step
>27, 196/468, d=0.391, g=4.736
2/2 [==============================] - 0s 9ms/step
>27, 197/468, d=0.250, g=3.780
2/2 [==============================] - 0s 6ms/step
>27, 198/468, d=0.283, g=0.969
2/2 [==============================] - 0s 4ms/step
>27, 199/468, d=0.276, g=1.193
2/2 [==============================] - 0s 5ms/step
>27, 200/468, d=0.294, g=2.373
2/2 [==============================] - 0s 7ms/step
>27, 201/468, d=0.300, g=1.544
2/2 [==============================] - 0s 5ms/step
>27, 202/468, d=0.216, g=1.547
2/2 [==============================] - 0s 6ms/step
>27, 203/468, d=0.255, g=2.777
2/2 [==============================] - 0s 6ms/step
>27, 204/468, d=0.368, g=1.084
2/2 [==============================] - 0s 12ms/step
```

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>27, 205/468, d=0.249, g=1.897
2/2 [==============================] - 0s 7ms/step
>27, 206/468, d=0.257, g=2.471
2/2 [==============================] - 0s 7ms/step
>27, 207/468, d=0.233, g=6.212
2/2 [==============================] - 0s 8ms/step
>27, 208/468, d=0.291, g=4.043
2/2 [==============================] - 0s 4ms/step
>27, 209/468, d=0.333, g=0.965
2/2 [==============================] - 0s 5ms/step
>27, 210/468, d=0.206, g=1.779
2/2 [==============================] - 0s 4ms/step
>27, 211/468, d=0.277, g=4.318
2/2 [==============================] - 0s 8ms/step
>27, 212/468, d=0.218, g=4.125
2/2 [==============================] - 0s 4ms/step
>27, 213/468, d=0.220, g=3.776
2/2 [==============================] - 0s 12ms/step
>27, 214/468, d=0.251, g=4.226
2/2 [==============================] - 0s 7ms/step
>27, 215/468, d=0.311, g=1.373
2/2 [==============================] - 0s 7ms/step
>27, 216/468, d=0.302, g=2.371
2/2 [==============================] - 0s 6ms/step
>27, 217/468, d=0.208, g=2.319
2/2 [==============================] - 0s 7ms/step
>27, 218/468, d=0.314, g=1.291
2/2 [==============================] - 0s 12ms/step
>27, 219/468, d=0.300, g=3.763
2/2 [==============================] - 0s 6ms/step
>27, 220/468, d=0.256, g=3.927
2/2 [==============================] - 0s 14ms/step
>27, 221/468, d=0.245, g=2.184
2/2 [==============================] - 0s 10ms/step
>27, 222/468, d=0.205, g=1.392
2/2 [==============================] - 0s 5ms/step
>27, 223/468, d=0.326, g=4.654
2/2 [==============================] - 0s 11ms/step
>27, 224/468, d=0.220, g=5.330
2/2 [==============================] - 0s 9ms/step
>27, 225/468, d=0.257, g=3.717
2/2 [==============================] - 0s 6ms/step
>27, 226/468, d=0.198, g=2.312
2/2 [==============================] - 0s 13ms/step
>27, 227/468, d=0.282, g=5.172
2/2 [==============================] - 0s 6ms/step
>27, 228/468, d=0.273, g=4.267
2/2 [==============================] - 0s 15ms/step
>27, 229/468, d=0.207, g=2.793
2/2 [==============================] - 0s 5ms/step
>27, 230/468, d=0.372, g=5.000
2/2 [==============================] - 0s 8ms/step
>27, 231/468, d=0.272, g=3.803
2/2 [==============================] - 0s 6ms/step
>27, 232/468, d=0.240, g=1.969
2/2 [==============================] - 0s 14ms/step
>27, 233/468, d=0.213, g=0.934
2/2 [==============================] - 0s 12ms/step
>27, 234/468, d=0.446, g=3.020
2/2 [==============================] - 0s 15ms/step
>27, 235/468, d=0.223, g=3.205
2/2 [==============================] - 0s 7ms/step
>27, 236/468, d=0.225, g=2.333
2/2 [==============================] - 0s 6ms/step
```

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>27, 237/468, d=0.375, g=1.835
2/2 [==============================] - 0s 4ms/step
>27, 238/468, d=0.328, g=1.467
2/2 [==============================] - 0s 7ms/step
>27, 239/468, d=0.244, g=1.406
2/2 [==============================] - 0s 4ms/step
>27, 240/468, d=0.281, g=1.253
2/2 [==============================] - 0s 6ms/step
>27, 241/468, d=0.298, g=2.388
2/2 [==============================] - 0s 6ms/step
>27, 242/468, d=0.325, g=4.997
2/2 [==============================] - 0s 5ms/step
>27, 243/468, d=0.208, g=6.194
2/2 [==============================] - 0s 7ms/step
>27, 244/468, d=0.216, g=3.106
2/2 [==============================] - 0s 8ms/step
>27, 245/468, d=0.242, g=3.374
2/2 [==============================] - 0s 5ms/step
>27, 246/468, d=0.264, g=3.791
2/2 [==============================] - 0s 5ms/step
>27, 247/468, d=0.288, g=2.074
2/2 [==============================] - 0s 13ms/step
>27, 248/468, d=0.267, g=3.488
2/2 [==============================] - 0s 5ms/step
>27, 249/468, d=0.301, g=6.105
2/2 [==============================] - 0s 8ms/step
>27, 250/468, d=0.281, g=3.824
2/2 [==============================] - 0s 5ms/step
>27, 251/468, d=0.282, g=2.359
2/2 [==============================] - 0s 12ms/step
>27, 252/468, d=0.239, g=2.820
2/2 [==============================] - 0s 7ms/step
>27, 253/468, d=0.323, g=7.400
2/2 [==============================] - 0s 7ms/step
>27, 254/468, d=0.400, g=4.559
2/2 [==============================] - 0s 11ms/step
>27, 255/468, d=0.236, g=2.088
2/2 [==============================] - 0s 5ms/step
>27, 256/468, d=0.332, g=2.416
2/2 [==============================] - 0s 5ms/step
>27, 257/468, d=0.236, g=1.946
2/2 [==============================] - 0s 6ms/step
>27, 258/468, d=0.330, g=1.472
2/2 [==============================] - 0s 15ms/step
>27, 259/468, d=0.190, g=1.995
2/2 [==============================] - 0s 4ms/step
>27, 260/468, d=0.231, g=2.313
2/2 [==============================] - 0s 5ms/step
>27, 261/468, d=0.211, g=2.594
2/2 [==============================] - 0s 12ms/step
>27, 262/468, d=0.199, g=2.628
2/2 [==============================] - 0s 5ms/step
>27, 263/468, d=0.293, g=3.546
2/2 [==============================] - 0s 5ms/step
>27, 264/468, d=0.309, g=1.047
2/2 [==============================] - 0s 5ms/step
>27, 265/468, d=0.225, g=1.660
2/2 [==============================] - 0s 6ms/step
>27, 266/468, d=0.318, g=3.285
2/2 [==============================] - 0s 9ms/step
>27, 267/468, d=0.152, g=3.309
2/2 [==============================] - 0s 7ms/step
>27, 268/468, d=0.266, g=3.808
2/2 [==============================] - 0s 10ms/step
```

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>27, 269/468, d=0.344, g=2.729
2/2 [==============================] - 0s 4ms/step
>27, 270/468, d=0.186, g=1.637
2/2 [==============================] - 0s 11ms/step
>27, 271/468, d=0.225, g=3.359
2/2 [==============================] - 0s 10ms/step
>27, 272/468, d=0.216, g=4.953
2/2 [==============================] - 0s 6ms/step
>27, 273/468, d=0.276, g=2.894
2/2 [==============================] - 0s 4ms/step
>27, 274/468, d=0.257, g=1.906
2/2 [==============================] - 0s 5ms/step
>27, 275/468, d=0.252, g=1.990
2/2 [==============================] - 0s 5ms/step
>27, 276/468, d=0.185, g=3.522
2/2 [==============================] - 0s 4ms/step
>27, 277/468, d=0.381, g=6.060
2/2 [==============================] - 0s 13ms/step
>27, 278/468, d=0.272, g=2.414
2/2 [==============================] - 0s 5ms/step
>27, 279/468, d=0.220, g=2.986
2/2 [==============================] - 0s 11ms/step
>27, 280/468, d=0.236, g=4.015
2/2 [==============================] - 0s 5ms/step
>27, 281/468, d=0.237, g=7.516
2/2 [==============================] - 0s 4ms/step
>27, 282/468, d=0.317, g=3.826
2/2 [==============================] - 0s 6ms/step
>27, 283/468, d=0.210, g=1.094
2/2 [==============================] - 0s 4ms/step
>27, 284/468, d=0.248, g=1.730
2/2 [==============================] - 0s 11ms/step
>27, 285/468, d=0.511, g=7.685
2/2 [==============================] - 0s 7ms/step
>27, 286/468, d=0.341, g=4.134
2/2 [==============================] - 0s 4ms/step
>27, 287/468, d=0.178, g=3.705
2/2 [==============================] - 0s 5ms/step
>27, 288/468, d=0.200, g=2.629
2/2 [==============================] - 0s 10ms/step
>27, 289/468, d=0.320, g=2.391
2/2 [==============================] - 0s 10ms/step
>27, 290/468, d=0.233, g=2.476
2/2 [==============================] - 0s 10ms/step
>27, 291/468, d=0.222, g=2.948
2/2 [==============================] - 0s 12ms/step
>27, 292/468, d=0.232, g=3.616
2/2 [==============================] - 0s 11ms/step
>27, 293/468, d=0.276, g=2.755
2/2 [==============================] - 0s 5ms/step
>27, 294/468, d=0.202, g=1.955
2/2 [==============================] - 0s 6ms/step
>27, 295/468, d=0.376, g=4.194
2/2 [==============================] - 0s 10ms/step
>27, 296/468, d=0.252, g=5.207
2/2 [==============================] - 0s 6ms/step
>27, 297/468, d=0.299, g=3.790
2/2 [==============================] - 0s 7ms/step
>27, 298/468, d=0.271, g=1.875
2/2 [==============================] - 0s 7ms/step
>27, 299/468, d=0.275, g=3.504
2/2 [==============================] - 0s 7ms/step
>27, 300/468, d=0.261, g=2.141
2/2 [==============================] - 0s 4ms/step
```

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>27, 301/468, d=0.228, g=2.808
2/2 [==============================] - 0s 14ms/step
>27, 302/468, d=0.257, g=1.536
2/2 [==============================] - 0s 5ms/step
>27, 303/468, d=0.289, g=2.387
2/2 [==============================] - 0s 6ms/step
>27, 304/468, d=0.233, g=2.960
2/2 [==============================] - 0s 9ms/step
>27, 305/468, d=0.281, g=3.258
2/2 [==============================] - 0s 6ms/step
>27, 306/468, d=0.408, g=3.631
2/2 [==============================] - 0s 5ms/step
>27, 307/468, d=0.198, g=1.417
2/2 [==============================] - 0s 6ms/step
>27, 308/468, d=0.409, g=3.424
2/2 [==============================] - 0s 6ms/step
>27, 309/468, d=0.216, g=2.394
2/2 [==============================] - 0s 5ms/step
>27, 310/468, d=0.229, g=2.309
2/2 [==============================] - 0s 10ms/step
>27, 311/468, d=0.256, g=3.054
2/2 [==============================] - 0s 5ms/step
>27, 312/468, d=0.235, g=2.586
2/2 [==============================] - 0s 10ms/step
>27, 313/468, d=0.346, g=4.814
2/2 [==============================] - 0s 5ms/step
>27, 314/468, d=0.189, g=5.769
2/2 [==============================] - 0s 9ms/step
>27, 315/468, d=0.208, g=3.282
2/2 [==============================] - 0s 5ms/step
>27, 316/468, d=0.206, g=1.828
2/2 [==============================] - 0s 5ms/step
>27, 317/468, d=0.230, g=1.790
2/2 [==============================] - 0s 6ms/step
>27, 318/468, d=0.398, g=3.088
2/2 [==============================] - 0s 7ms/step
>27, 319/468, d=0.256, g=0.841
2/2 [==============================] - 0s 5ms/step
>27, 320/468, d=0.215, g=0.972
2/2 [==============================] - 0s 6ms/step
>27, 321/468, d=0.295, g=1.938
2/2 [==============================] - 0s 4ms/step
>27, 322/468, d=0.316, g=3.578
2/2 [==============================] - 0s 15ms/step
>27, 323/468, d=0.279, g=1.736
2/2 [==============================] - 0s 6ms/step
>27, 324/468, d=0.238, g=2.097
2/2 [==============================] - 0s 7ms/step
>27, 325/468, d=0.382, g=6.291
2/2 [==============================] - 0s 5ms/step
>27, 326/468, d=0.393, g=3.628
2/2 [==============================] - 0s 4ms/step
>27, 327/468, d=0.313, g=4.567
2/2 [==============================] - 0s 14ms/step
>27, 328/468, d=0.203, g=4.430
2/2 [==============================] - 0s 6ms/step
>27, 329/468, d=0.340, g=2.560
2/2 [==============================] - 0s 14ms/step
>27, 330/468, d=0.153, g=2.047
2/2 [==============================] - 0s 7ms/step
>27, 331/468, d=0.238, g=4.214
2/2 [==============================] - 0s 7ms/step
>27, 332/468, d=0.296, g=5.114
2/2 [==============================] - 0s 6ms/step
```

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>27, 333/468, d=0.215, g=4.162
2/2 [==============================] - 0s 14ms/step
>27, 334/468, d=0.297, g=2.089
2/2 [==============================] - 0s 9ms/step
>27, 335/468, d=0.212, g=1.739
2/2 [==============================] - 0s 10ms/step
>27, 336/468, d=0.297, g=1.917
2/2 [==============================] - 0s 9ms/step
>27, 337/468, d=0.319, g=4.425
2/2 [==============================] - 0s 8ms/step
>27, 338/468, d=0.418, g=2.563
2/2 [==============================] - 0s 7ms/step
>27, 339/468, d=0.312, g=4.449
2/2 [==============================] - 0s 5ms/step
>27, 340/468, d=0.286, g=5.973
2/2 [==============================] - 0s 5ms/step
>27, 341/468, d=0.331, g=2.652
2/2 [==============================] - 0s 5ms/step
>27, 342/468, d=0.275, g=0.905
2/2 [==============================] - 0s 4ms/step
>27, 343/468, d=0.214, g=1.970
2/2 [==============================] - 0s 12ms/step
>27, 344/468, d=0.218, g=4.647
2/2 [==============================] - 0s 8ms/step
>27, 345/468, d=0.231, g=4.381
2/2 [==============================] - 0s 7ms/step
>27, 346/468, d=0.285, g=2.924
2/2 [==============================] - 0s 5ms/step
>27, 347/468, d=0.175, g=3.726
2/2 [==============================] - 0s 6ms/step
>27, 348/468, d=0.174, g=3.344
2/2 [==============================] - 0s 7ms/step
>27, 349/468, d=0.429, g=0.519
2/2 [==============================] - 0s 4ms/step
>27, 350/468, d=0.236, g=1.485
2/2 [==============================] - 0s 5ms/step
>27, 351/468, d=0.264, g=1.585
2/2 [==============================] - 0s 7ms/step
>27, 352/468, d=0.285, g=1.685
2/2 [==============================] - 0s 5ms/step
>27, 353/468, d=0.287, g=1.728
2/2 [==============================] - 0s 5ms/step
>27, 354/468, d=0.263, g=2.650
2/2 [==============================] - 0s 5ms/step
>27, 355/468, d=0.269, g=4.481
2/2 [==============================] - 0s 4ms/step
>27, 356/468, d=0.268, g=4.004
2/2 [==============================] - 0s 6ms/step
>27, 357/468, d=0.266, g=3.225
2/2 [==============================] - 0s 8ms/step
>27, 358/468, d=0.231, g=3.835
2/2 [==============================] - 0s 13ms/step
>27, 359/468, d=0.271, g=3.850
2/2 [==============================] - 0s 4ms/step
>27, 360/468, d=0.281, g=4.005
2/2 [==============================] - 0s 6ms/step
>27, 361/468, d=0.331, g=3.872
2/2 [==============================] - 0s 5ms/step
>27, 362/468, d=0.256, g=3.490
2/2 [==============================] - 0s 4ms/step
>27, 363/468, d=0.285, g=3.588
2/2 [==============================] - 0s 6ms/step
>27, 364/468, d=0.263, g=4.156
2/2 [==============================] - 0s 7ms/step
```

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>27, 365/468, d=0.317, g=2.097
2/2 [==============================] - 0s 5ms/step
>27, 366/468, d=0.272, g=2.320
2/2 [==============================] - 0s 12ms/step
>27, 367/468, d=0.222, g=2.569
2/2 [==============================] - 0s 12ms/step
>27, 368/468, d=0.439, g=6.768
2/2 [==============================] - 0s 5ms/step
>27, 369/468, d=0.310, g=3.445
2/2 [==============================] - 0s 7ms/step
>27, 370/468, d=0.221, g=1.705
2/2 [==============================] - 0s 9ms/step
>27, 371/468, d=0.301, g=2.182
2/2 [==============================] - 0s 12ms/step
>27, 372/468, d=0.223, g=3.395
2/2 [==============================] - 0s 6ms/step
>27, 373/468, d=0.241, g=2.254
2/2 [==============================] - 0s 7ms/step
>27, 374/468, d=0.229, g=1.880
2/2 [==============================] - 0s 8ms/step
>27, 375/468, d=0.228, g=2.041
2/2 [==============================] - 0s 7ms/step
>27, 376/468, d=0.234, g=1.838
2/2 [==============================] - 0s 5ms/step
>27, 377/468, d=0.247, g=2.452
2/2 [==============================] - 0s 6ms/step
>27, 378/468, d=0.285, g=3.290
2/2 [==============================] - 0s 4ms/step
>27, 379/468, d=0.193, g=4.147
2/2 [==============================] - 0s 5ms/step
>27, 380/468, d=0.233, g=4.651
2/2 [==============================] - 0s 6ms/step
>27, 381/468, d=0.275, g=3.229
2/2 [==============================] - 0s 4ms/step
>27, 382/468, d=0.214, g=3.131
2/2 [==============================] - 0s 5ms/step
>27, 383/468, d=0.223, g=2.234
2/2 [==============================] - 0s 4ms/step
>27, 384/468, d=0.244, g=3.237
2/2 [==============================] - 0s 11ms/step
>27, 385/468, d=0.330, g=4.780
2/2 [==============================] - 0s 6ms/step
>27, 386/468, d=0.205, g=3.575
2/2 [==============================] - 0s 5ms/step
>27, 387/468, d=0.265, g=2.925
2/2 [==============================] - 0s 5ms/step
>27, 388/468, d=0.281, g=2.211
2/2 [==============================] - 0s 6ms/step
>27, 389/468, d=0.361, g=0.492
2/2 [==============================] - 0s 12ms/step
>27, 390/468, d=0.184, g=0.593
2/2 [==============================] - 0s 10ms/step
>27, 391/468, d=0.278, g=1.425
2/2 [==============================] - 0s 11ms/step
>27, 392/468, d=0.257, g=3.570
2/2 [==============================] - 0s 6ms/step
>27, 393/468, d=0.307, g=1.714
2/2 [==============================] - 0s 6ms/step
>27, 394/468, d=0.267, g=1.936
2/2 [==============================] - 0s 7ms/step
>27, 395/468, d=0.266, g=4.632
2/2 [==============================] - 0s 7ms/step
>27, 396/468, d=0.298, g=3.599
2/2 [==============================] - 0s 7ms/step
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>27, 397/468, d=0.252, g=1.961
2/2 [==============================] - 0s 5ms/step
>27, 398/468, d=0.228, g=2.056
2/2 [==============================] - 0s 11ms/step
>27, 399/468, d=0.253, g=4.380
2/2 [==============================] - 0s 13ms/step
>27, 400/468, d=0.262, g=1.681
2/2 [==============================] - 0s 9ms/step
>27, 401/468, d=0.240, g=2.772
2/2 [==============================] - 0s 5ms/step
>27, 402/468, d=0.194, g=3.389
2/2 [==============================] - 0s 18ms/step
>27, 403/468, d=0.335, g=2.008
2/2 [==============================] - 0s 5ms/step
>27, 404/468, d=0.248, g=2.160
2/2 [==============================] - 0s 5ms/step
>27, 405/468, d=0.231, g=3.356
2/2 [==============================] - 0s 11ms/step
>27, 406/468, d=0.256, g=4.465
2/2 [==============================] - 0s 5ms/step
>27, 407/468, d=0.269, g=1.221
2/2 [==============================] - 0s 5ms/step
>27, 408/468, d=0.260, g=1.302
2/2 [==============================] - 0s 11ms/step
>27, 409/468, d=0.242, g=2.519
2/2 [==============================] - 0s 5ms/step
>27, 410/468, d=0.360, g=1.576
2/2 [==============================] - 0s 10ms/step
>27, 411/468, d=0.247, g=2.712
2/2 [==============================] - 0s 12ms/step
>27, 412/468, d=0.272, g=4.356
2/2 [==============================] - 0s 7ms/step
>27, 413/468, d=0.170, g=5.069
2/2 [==============================] - 0s 8ms/step
>27, 414/468, d=0.247, g=3.232
2/2 [==============================] - 0s 6ms/step
>27, 415/468, d=0.266, g=4.449
2/2 [==============================] - 0s 7ms/step
>27, 416/468, d=0.209, g=3.971
2/2 [==============================] - 0s 5ms/step
>27, 417/468, d=0.275, g=3.834
2/2 [==============================] - 0s 9ms/step
>27, 418/468, d=0.238, g=3.817
2/2 [==============================] - 0s 8ms/step
>27, 419/468, d=0.286, g=3.394
2/2 [==============================] - 0s 12ms/step
>27, 420/468, d=0.238, g=3.930
2/2 [==============================] - 0s 6ms/step
>27, 421/468, d=0.190, g=3.845
2/2 [==============================] - 0s 9ms/step
>27, 422/468, d=0.322, g=4.848
2/2 [==============================] - 0s 6ms/step
>27, 423/468, d=0.296, g=3.039
2/2 [==============================] - 0s 5ms/step
>27, 424/468, d=0.170, g=3.246
2/2 [==============================] - 0s 6ms/step
>27, 425/468, d=0.355, g=3.371
2/2 [==============================] - 0s 8ms/step
>27, 426/468, d=0.219, g=3.124
2/2 [==============================] - 0s 5ms/step
>27, 427/468, d=0.317, g=1.242
2/2 [==============================] - 0s 5ms/step
>27, 428/468, d=0.190, g=1.121
2/2 [==============================] - 0s 6ms/step
```

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>27, 429/468, d=0.328, g=2.778
2/2 [==============================] - 0s 4ms/step
>27, 430/468, d=0.385, g=4.421
2/2 [==============================] - 0s 6ms/step
>27, 431/468, d=0.250, g=3.274
2/2 [==============================] - 0s 5ms/step
>27, 432/468, d=0.202, g=2.964
2/2 [==============================] - 0s 5ms/step
>27, 433/468, d=0.215, g=1.260
2/2 [==============================] - 0s 8ms/step
>27, 434/468, d=0.172, g=1.261
2/2 [==============================] - 0s 11ms/step
>27, 435/468, d=0.218, g=3.089
2/2 [==============================] - 0s 5ms/step
>27, 436/468, d=0.318, g=3.394
2/2 [==============================] - 0s 8ms/step
>27, 437/468, d=0.359, g=1.052
2/2 [==============================] - 0s 9ms/step
>27, 438/468, d=0.313, g=1.746
2/2 [==============================] - 0s 5ms/step
>27, 439/468, d=0.310, g=6.475
2/2 [==============================] - 0s 6ms/step
>27, 440/468, d=0.436, g=3.510
2/2 [==============================] - 0s 5ms/step
>27, 441/468, d=0.238, g=1.064
2/2 [==============================] - 0s 7ms/step
>27, 442/468, d=0.254, g=2.240
2/2 [==============================] - 0s 11ms/step
>27, 443/468, d=0.348, g=3.931
2/2 [==============================] - 0s 5ms/step
>27, 444/468, d=0.300, g=5.285
2/2 [==============================] - 0s 5ms/step
>27, 445/468, d=0.241, g=6.608
2/2 [==============================] - 0s 8ms/step
>27, 446/468, d=0.225, g=4.389
2/2 [==============================] - 0s 4ms/step
>27, 447/468, d=0.213, g=1.806
2/2 [==============================] - 0s 5ms/step
>27, 448/468, d=0.328, g=2.128
2/2 [==============================] - 0s 6ms/step
>27, 449/468, d=0.215, g=3.070
2/2 [==============================] - 0s 11ms/step
>27, 450/468, d=0.248, g=2.362
2/2 [==============================] - 0s 6ms/step
>27, 451/468, d=0.193, g=1.626
2/2 [==============================] - 0s 4ms/step
>27, 452/468, d=0.166, g=1.129
2/2 [==============================] - 0s 7ms/step
>27, 453/468, d=0.318, g=3.735
2/2 [==============================] - 0s 10ms/step
>27, 454/468, d=0.285, g=5.584
2/2 [==============================] - 0s 9ms/step
>27, 455/468, d=0.595, g=1.531
2/2 [==============================] - 0s 10ms/step
>27, 456/468, d=0.206, g=1.564
2/2 [==============================] - 0s 5ms/step
>27, 457/468, d=0.417, g=2.610
2/2 [==============================] - 0s 4ms/step
>27, 458/468, d=0.304, g=5.400
2/2 [==============================] - 0s 5ms/step
>27, 459/468, d=0.339, g=8.699
2/2 [==============================] - 0s 5ms/step
>27, 460/468, d=0.235, g=7.849
2/2 [==============================] - 0s 12ms/step
```

```
>27, 461/468, d=0.341, g=3.452
2/2 [==============================] - 0s 10ms/step
>27, 462/468, d=0.184, g=2.448
2/2 [==============================] - 0s 13ms/step
>27, 463/468, d=0.315, g=3.552
2/2 [==============================] - 0s 5ms/step
>27, 464/468, d=0.264, g=4.536
2/2 [==============================] - 0s 7ms/step
>27, 465/468, d=0.288, g=5.367
2/2 [==============================] - 0s 11ms/step
>27, 466/468, d=0.319, g=3.348
2/2 [==============================] - 0s 7ms/step
>27, 467/468, d=0.263, g=2.289
2/2 [==============================] - 0s 7ms/step
>27, 468/468, d=0.358, g=3.691
2/2 [==============================] - 0s 6ms/step
>28, 1/468, d=0.320, g=3.749
2/2 [==============================] - 0s 6ms/step
>28, 2/468, d=0.233, g=3.241
2/2 [==============================] - 0s 5ms/step
>28, 3/468, d=0.165, g=3.026
2/2 [==============================] - 0s 7ms/step
>28, 4/468, d=0.296, g=4.371
2/2 [==============================] - 0s 11ms/step
>28, 5/468, d=0.317, g=2.475
2/2 [==============================] - 0s 5ms/step
>28, 6/468, d=0.316, g=1.474
2/2 [==============================] - 0s 15ms/step
>28, 7/468, d=0.325, g=2.076
2/2 [==============================] - 0s 6ms/step
>28, 8/468, d=0.224, g=2.246
2/2 [==============================] - 0s 11ms/step
>28, 9/468, d=0.301, g=3.006
2/2 [==============================] - 0s 11ms/step
>28, 10/468, d=0.279, g=2.922
2/2 [==============================] - 0s 13ms/step
>28, 11/468, d=0.273, g=4.564
2/2 [==============================] - 0s 6ms/step
>28, 12/468, d=0.266, g=1.873
2/2 [==============================] - 0s 7ms/step
>28, 13/468, d=0.333, g=1.754
2/2 [==============================] - 0s 5ms/step
>28, 14/468, d=0.275, g=4.950
2/2 [==============================] - 0s 6ms/step
>28, 15/468, d=0.209, g=5.031
2/2 [==============================] - 0s 10ms/step
>28, 16/468, d=0.217, g=2.965
2/2 [==============================] - 0s 5ms/step
>28, 17/468, d=0.292, g=2.335
2/2 [==============================] - 0s 5ms/step
>28, 18/468, d=0.255, g=2.733
2/2 [==============================] - 0s 6ms/step
>28, 19/468, d=0.349, g=4.809
2/2 [==============================] - 0s 7ms/step
>28, 20/468, d=0.353, g=1.673
2/2 [==============================] - 0s 5ms/step
>28, 21/468, d=0.281, g=1.886
2/2 [==============================] - 0s 8ms/step
>28, 22/468, d=0.243, g=1.734
2/2 [==============================] - 0s 5ms/step
>28, 23/468, d=0.374, g=2.818
2/2 [==============================] - 0s 5ms/step
>28, 24/468, d=0.298, g=4.478
2/2 [==============================] - 0s 5ms/step
```

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>28, 25/468, d=0.289, g=0.953
2/2 [==============================] - 0s 5ms/step
>28, 26/468, d=0.217, g=0.603
2/2 [==============================] - 0s 5ms/step
>28, 27/468, d=0.286, g=1.670
2/2 [==============================] - 0s 14ms/step
>28, 28/468, d=0.227, g=3.443
2/2 [==============================] - 0s 6ms/step
>28, 29/468, d=0.210, g=4.443
2/2 [==============================] - 0s 6ms/step
>28, 30/468, d=0.232, g=3.872
2/2 [==============================] - 0s 6ms/step
>28, 31/468, d=0.196, g=2.833
2/2 [==============================] - 0s 6ms/step
>28, 32/468, d=0.351, g=2.469
2/2 [==============================] - 0s 6ms/step
>28, 33/468, d=0.197, g=3.189
2/2 [==============================] - 0s 6ms/step
>28, 34/468, d=0.264, g=4.761
2/2 [==============================] - 0s 12ms/step
>28, 35/468, d=0.416, g=4.474
2/2 [==============================] - 0s 4ms/step
>28, 36/468, d=0.354, g=3.004
2/2 [==============================] - 0s 6ms/step
>28, 37/468, d=0.287, g=1.593
2/2 [==============================] - 0s 5ms/step
>28, 38/468, d=0.214, g=1.444
2/2 [==============================] - 0s 5ms/step
>28, 39/468, d=0.334, g=2.228
2/2 [==============================] - 0s 6ms/step
>28, 40/468, d=0.278, g=4.708
2/2 [==============================] - 0s 6ms/step
>28, 41/468, d=0.226, g=3.240
2/2 [==============================] - 0s 6ms/step
>28, 42/468, d=0.220, g=2.702
2/2 [==============================] - 0s 7ms/step
>28, 43/468, d=0.246, g=4.681
2/2 [==============================] - 0s 6ms/step
>28, 44/468, d=0.288, g=4.117
2/2 [==============================] - 0s 6ms/step
>28, 45/468, d=0.322, g=3.064
2/2 [==============================] - 0s 4ms/step
>28, 46/468, d=0.396, g=3.147
2/2 [==============================] - 0s 12ms/step
>28, 47/468, d=0.276, g=2.632
2/2 [==============================] - 0s 17ms/step
>28, 48/468, d=0.313, g=1.975
2/2 [==============================] - 0s 5ms/step
>28, 49/468, d=0.509, g=5.248
2/2 [==============================] - 0s 11ms/step
>28, 50/468, d=0.290, g=4.301
2/2 [==============================] - 0s 5ms/step
>28, 51/468, d=0.246, g=1.542
2/2 [==============================] - 0s 7ms/step
>28, 52/468, d=0.285, g=2.608
2/2 [==============================] - 0s 6ms/step
>28, 53/468, d=0.249, g=3.428
2/2 [==============================] - 0s 6ms/step
>28, 54/468, d=0.302, g=5.862
2/2 [==============================] - 0s 9ms/step
>28, 55/468, d=0.213, g=4.276
2/2 [==============================] - 0s 5ms/step
>28, 56/468, d=0.176, g=3.377
2/2 [==============================] - 0s 11ms/step
```

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>28, 57/468, d=0.284, g=2.243
2/2 [==============================] - 0s 5ms/step
>28, 58/468, d=0.263, g=2.770
2/2 [==============================] - 0s 6ms/step
>28, 59/468, d=0.356, g=4.917
2/2 [==============================] - 0s 6ms/step
>28, 60/468, d=0.324, g=3.216
2/2 [==============================] - 0s 13ms/step
>28, 61/468, d=0.306, g=1.790
2/2 [==============================] - 0s 8ms/step
>28, 62/468, d=0.169, g=1.231
2/2 [==============================] - 0s 12ms/step
>28, 63/468, d=0.339, g=1.453
2/2 [==============================] - 0s 7ms/step
>28, 64/468, d=0.240, g=3.695
2/2 [==============================] - 0s 4ms/step
>28, 65/468, d=0.263, g=4.262
2/2 [==============================] - 0s 6ms/step
>28, 66/468, d=0.258, g=2.992
2/2 [==============================] - 0s 8ms/step
>28, 67/468, d=0.270, g=2.307
2/2 [==============================] - 0s 6ms/step
>28, 68/468, d=0.275, g=3.775
2/2 [==============================] - 0s 8ms/step
>28, 69/468, d=0.204, g=4.232
2/2 [==============================] - 0s 7ms/step
>28, 70/468, d=0.276, g=2.979
2/2 [==============================] - 0s 11ms/step
>28, 71/468, d=0.270, g=3.984
2/2 [==============================] - 0s 5ms/step
>28, 72/468, d=0.305, g=6.969
2/2 [==============================] - 0s 5ms/step
>28, 73/468, d=0.288, g=4.660
2/2 [==============================] - 0s 13ms/step
>28, 74/468, d=0.262, g=3.102
2/2 [==============================] - 0s 15ms/step
>28, 75/468, d=0.185, g=4.443
2/2 [==============================] - 0s 12ms/step
>28, 76/468, d=0.234, g=5.980
2/2 [==============================] - 0s 5ms/step
>28, 77/468, d=0.232, g=4.773
2/2 [==============================] - 0s 5ms/step
>28, 78/468, d=0.232, g=1.909
2/2 [==============================] - 0s 5ms/step
>28, 79/468, d=0.253, g=2.092
2/2 [==============================] - 0s 5ms/step
>28, 80/468, d=0.324, g=1.639
2/2 [==============================] - 0s 7ms/step
>28, 81/468, d=0.234, g=0.994
2/2 [==============================] - 0s 5ms/step
>28, 82/468, d=0.253, g=1.995
2/2 [==============================] - 0s 9ms/step
>28, 83/468, d=0.207, g=2.186
2/2 [==============================] - 0s 15ms/step
>28, 84/468, d=0.281, g=2.774
2/2 [==============================] - 0s 6ms/step
>28, 85/468, d=0.257, g=2.764
2/2 [==============================] - 0s 7ms/step
>28, 86/468, d=0.247, g=1.535
2/2 [==============================] - 0s 11ms/step
>28, 87/468, d=0.219, g=2.293
2/2 [==============================] - 0s 7ms/step
>28, 88/468, d=0.218, g=2.107
2/2 [==============================] - 0s 8ms/step
```

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>28, 89/468, d=0.251, g=2.002
2/2 [==============================] - 0s 8ms/step
>28, 90/468, d=0.198, g=3.480
2/2 [==============================] - 0s 9ms/step
>28, 91/468, d=0.264, g=4.016
2/2 [==============================] - 0s 5ms/step
>28, 92/468, d=0.218, g=4.101
2/2 [==============================] - 0s 5ms/step
>28, 93/468, d=0.215, g=3.269
2/2 [==============================] - 0s 7ms/step
>28, 94/468, d=0.270, g=2.167
2/2 [==============================] - 0s 10ms/step
>28, 95/468, d=0.220, g=3.121
2/2 [==============================] - 0s 7ms/step
>28, 96/468, d=0.388, g=3.609
2/2 [==============================] - 0s 9ms/step
>28, 97/468, d=0.172, g=3.906
2/2 [==============================] - 0s 9ms/step
>28, 98/468, d=0.226, g=4.872
2/2 [==============================] - 0s 6ms/step
>28, 99/468, d=0.256, g=3.277
2/2 [==============================] - 0s 7ms/step
>28, 100/468, d=0.216, g=1.697
2/2 [==============================] - 0s 6ms/step
>28, 101/468, d=0.214, g=2.245
2/2 [==============================] - 0s 11ms/step
>28, 102/468, d=0.279, g=3.029
2/2 [==============================] - 0s 4ms/step
>28, 103/468, d=0.369, g=2.292
2/2 [==============================] - 0s 7ms/step
>28, 104/468, d=0.247, g=1.935
2/2 [==============================] - 0s 9ms/step
>28, 105/468, d=0.246, g=2.300
2/2 [==============================] - 0s 6ms/step
>28, 106/468, d=0.231, g=1.729
2/2 [==============================] - 0s 5ms/step
>28, 107/468, d=0.235, g=3.939
2/2 [==============================] - 0s 9ms/step
>28, 108/468, d=0.270, g=4.782
2/2 [==============================] - 0s 7ms/step
>28, 109/468, d=0.230, g=3.576
2/2 [==============================] - 0s 5ms/step
>28, 110/468, d=0.213, g=1.854
2/2 [==============================] - 0s 4ms/step
>28, 111/468, d=0.158, g=1.420
2/2 [==============================] - 0s 6ms/step
>28, 112/468, d=0.265, g=2.866
2/2 [==============================] - 0s 5ms/step
>28, 113/468, d=0.338, g=3.478
2/2 [==============================] - 0s 6ms/step
>28, 114/468, d=0.266, g=3.595
2/2 [==============================] - 0s 5ms/step
>28, 115/468, d=0.286, g=3.627
2/2 [==============================] - 0s 6ms/step
>28, 116/468, d=0.269, g=3.952
2/2 [==============================] - 0s 10ms/step
>28, 117/468, d=0.229, g=3.050
2/2 [==============================] - 0s 6ms/step
>28, 118/468, d=0.339, g=2.973
2/2 [==============================] - 0s 5ms/step
>28, 119/468, d=0.194, g=2.416
2/2 [==============================] - 0s 4ms/step
>28, 120/468, d=0.345, g=3.086
2/2 [==============================] - 0s 5ms/step
```

```
>28, 121/468, d=0.282, g=4.114
2/2 [==============================] - 0s 14ms/step
>28, 122/468, d=0.287, g=3.014
2/2 [==============================] - 0s 6ms/step
>28, 123/468, d=0.277, g=2.655
2/2 [==============================] - 0s 6ms/step
>28, 124/468, d=0.233, g=3.045
2/2 [==============================] - 0s 7ms/step
>28, 125/468, d=0.234, g=2.799
2/2 [==============================] - 0s 9ms/step
>28, 126/468, d=0.277, g=4.526
2/2 [==============================] - 0s 5ms/step
>28, 127/468, d=0.162, g=4.190
2/2 [==============================] - 0s 16ms/step
>28, 128/468, d=0.229, g=2.460
2/2 [==============================] - 0s 6ms/step
>28, 129/468, d=0.306, g=3.011
2/2 [==============================] - 0s 6ms/step
>28, 130/468, d=0.292, g=1.731
2/2 [==============================] - 0s 12ms/step
>28, 131/468, d=0.327, g=2.263
2/2 [==============================] - 0s 7ms/step
>28, 132/468, d=0.216, g=3.177
2/2 [==============================] - 0s 5ms/step
>28, 133/468, d=0.210, g=2.476
2/2 [==============================] - 0s 9ms/step
>28, 134/468, d=0.313, g=3.579
2/2 [==============================] - 0s 6ms/step
>28, 135/468, d=0.268, g=2.260
2/2 [==============================] - 0s 6ms/step
>28, 136/468, d=0.290, g=0.946
2/2 [==============================] - 0s 4ms/step
>28, 137/468, d=0.205, g=1.276
2/2 [==============================] - 0s 6ms/step
>28, 138/468, d=0.295, g=3.189
2/2 [==============================] - 0s 6ms/step
>28, 139/468, d=0.227, g=2.694
2/2 [==============================] - 0s 4ms/step
>28, 140/468, d=0.199, g=2.639
2/2 [==============================] - 0s 12ms/step
>28, 141/468, d=0.186, g=1.939
2/2 [==============================] - 0s 5ms/step
>28, 142/468, d=0.215, g=1.932
2/2 [==============================] - 0s 7ms/step
>28, 143/468, d=0.236, g=1.142
2/2 [==============================] - 0s 10ms/step
>28, 144/468, d=0.300, g=1.698
2/2 [==============================] - 0s 9ms/step
>28, 145/468, d=0.292, g=2.434
2/2 [==============================] - 0s 8ms/step
>28, 146/468, d=0.234, g=2.375
2/2 [==============================] - 0s 7ms/step
>28, 147/468, d=0.358, g=1.205
2/2 [==============================] - 0s 7ms/step
>28, 148/468, d=0.364, g=3.200
2/2 [==============================] - 0s 14ms/step
>28, 149/468, d=0.279, g=1.979
2/2 [==============================] - 0s 7ms/step
>28, 150/468, d=0.260, g=1.825
2/2 [==============================] - 0s 9ms/step
>28, 151/468, d=0.286, g=5.847
2/2 [==============================] - 0s 8ms/step
>28, 152/468, d=0.252, g=6.585
2/2 [==============================] - 0s 6ms/step
```

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>28, 153/468, d=0.244, g=4.759
2/2 [==============================] - 0s 8ms/step
>28, 154/468, d=0.234, g=3.915
2/2 [==============================] - 0s 11ms/step
>28, 155/468, d=0.118, g=3.465
2/2 [==============================] - 0s 8ms/step
>28, 156/468, d=0.264, g=3.794
2/2 [==============================] - 0s 4ms/step
>28, 157/468, d=0.222, g=3.005
2/2 [==============================] - 0s 5ms/step
>28, 158/468, d=0.273, g=2.778
2/2 [==============================] - 0s 11ms/step
>28, 159/468, d=0.375, g=5.508
2/2 [==============================] - 0s 6ms/step
>28, 160/468, d=0.239, g=4.964
2/2 [==============================] - 0s 7ms/step
>28, 161/468, d=0.240, g=2.537
2/2 [==============================] - 0s 5ms/step
>28, 162/468, d=0.225, g=1.523
2/2 [==============================] - 0s 7ms/step
>28, 163/468, d=0.234, g=2.178
2/2 [==============================] - 0s 7ms/step
>28, 164/468, d=0.354, g=3.505
2/2 [==============================] - 0s 5ms/step
>28, 165/468, d=0.276, g=4.598
2/2 [==============================] - 0s 8ms/step
>28, 166/468, d=0.362, g=1.707
2/2 [==============================] - 0s 9ms/step
>28, 167/468, d=0.345, g=2.907
2/2 [==============================] - 0s 5ms/step
>28, 168/468, d=0.172, g=2.796
2/2 [==============================] - 0s 5ms/step
>28, 169/468, d=0.343, g=1.274
2/2 [==============================] - 0s 10ms/step
>28, 170/468, d=0.184, g=1.676
2/2 [==============================] - 0s 10ms/step
>28, 171/468, d=0.242, g=0.659
2/2 [==============================] - 0s 6ms/step
>28, 172/468, d=0.325, g=0.933
2/2 [==============================] - 0s 10ms/step
>28, 173/468, d=0.377, g=4.630
2/2 [==============================] - 0s 7ms/step
>28, 174/468, d=0.346, g=3.597
2/2 [==============================] - 0s 9ms/step
>28, 175/468, d=0.244, g=1.434
2/2 [==============================] - 0s 6ms/step
>28, 176/468, d=0.274, g=1.731
2/2 [==============================] - 0s 8ms/step
>28, 177/468, d=0.217, g=3.494
2/2 [==============================] - 0s 5ms/step
>28, 178/468, d=0.319, g=2.095
2/2 [==============================] - 0s 4ms/step
>28, 179/468, d=0.251, g=1.069
2/2 [==============================] - 0s 11ms/step
>28, 180/468, d=0.365, g=5.970
2/2 [==============================] - 0s 5ms/step
>28, 181/468, d=0.473, g=4.924
2/2 [==============================] - 0s 11ms/step
>28, 182/468, d=0.215, g=4.980
2/2 [==============================] - 0s 5ms/step
>28, 183/468, d=0.292, g=4.235
2/2 [==============================] - 0s 8ms/step
>28, 184/468, d=0.384, g=2.702
2/2 [==============================] - 0s 15ms/step
```

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>28, 185/468, d=0.275, g=2.841
2/2 [==============================] - 0s 14ms/step
>28, 186/468, d=0.200, g=5.549
2/2 [==============================] - 0s 4ms/step
>28, 187/468, d=0.243, g=2.969
2/2 [==============================] - 0s 4ms/step
>28, 188/468, d=0.217, g=3.132
2/2 [==============================] - 0s 13ms/step
>28, 189/468, d=0.250, g=2.761
2/2 [==============================] - 0s 9ms/step
>28, 190/468, d=0.297, g=4.432
2/2 [==============================] - 0s 6ms/step
>28, 191/468, d=0.209, g=3.488
2/2 [==============================] - 0s 4ms/step
>28, 192/468, d=0.316, g=2.182
2/2 [==============================] - 0s 13ms/step
>28, 193/468, d=0.183, g=1.164
2/2 [==============================] - 0s 5ms/step
>28, 194/468, d=0.284, g=3.274
2/2 [==============================] - 0s 5ms/step
>28, 195/468, d=0.262, g=3.895
2/2 [==============================] - 0s 7ms/step
>28, 196/468, d=0.245, g=4.841
2/2 [==============================] - 0s 8ms/step
>28, 197/468, d=0.264, g=3.932
2/2 [==============================] - 0s 6ms/step
>28, 198/468, d=0.297, g=2.056
2/2 [==============================] - 0s 8ms/step
>28, 199/468, d=0.177, g=1.317
2/2 [==============================] - 0s 5ms/step
>28, 200/468, d=0.228, g=1.433
2/2 [==============================] - 0s 6ms/step
>28, 201/468, d=0.266, g=2.183
2/2 [==============================] - 0s 15ms/step
>28, 202/468, d=0.245, g=3.291
2/2 [==============================] - 0s 7ms/step
>28, 203/468, d=0.276, g=5.004
2/2 [==============================] - 0s 12ms/step
>28, 204/468, d=0.278, g=4.134
2/2 [==============================] - 0s 6ms/step
>28, 205/468, d=0.308, g=1.722
2/2 [==============================] - 0s 10ms/step
>28, 206/468, d=0.313, g=1.522
2/2 [==============================] - 0s 7ms/step
>28, 207/468, d=0.230, g=2.234
2/2 [==============================] - 0s 5ms/step
>28, 208/468, d=0.308, g=0.692
2/2 [==============================] - 0s 8ms/step
>28, 209/468, d=0.303, g=1.623
2/2 [==============================] - 0s 14ms/step
>28, 210/468, d=0.255, g=2.210
2/2 [==============================] - 0s 6ms/step
>28, 211/468, d=0.260, g=2.051
2/2 [==============================] - 0s 7ms/step
>28, 212/468, d=0.247, g=2.684
2/2 [==============================] - 0s 5ms/step
>28, 213/468, d=0.260, g=2.319
2/2 [==============================] - 0s 7ms/step
>28, 214/468, d=0.291, g=4.056
2/2 [==============================] - 0s 5ms/step
>28, 215/468, d=0.369, g=4.019
2/2 [==============================] - 0s 4ms/step
>28, 216/468, d=0.262, g=4.949
2/2 [==============================] - 0s 9ms/step
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>28, 217/468, d=0.215, g=4.591
2/2 [==============================] - 0s 5ms/step
>28, 218/468, d=0.267, g=3.423
2/2 [==============================] - 0s 18ms/step
>28, 219/468, d=0.315, g=2.677
2/2 [==============================] - 0s 4ms/step
>28, 220/468, d=0.360, g=3.020
2/2 [==============================] - 0s 7ms/step
>28, 221/468, d=0.176, g=2.803
2/2 [==============================] - 0s 9ms/step
>28, 222/468, d=0.213, g=0.750
2/2 [==============================] - 0s 5ms/step
>28, 223/468, d=0.257, g=1.333
2/2 [==============================] - 0s 8ms/step
>28, 224/468, d=0.218, g=2.753
2/2 [==============================] - 0s 6ms/step
>28, 225/468, d=0.177, g=3.696
2/2 [==============================] - 0s 11ms/step
>28, 226/468, d=0.323, g=2.324
2/2 [==============================] - 0s 11ms/step
>28, 227/468, d=0.200, g=2.783
2/2 [==============================] - 0s 6ms/step
>28, 228/468, d=0.288, g=4.916
2/2 [==============================] - 0s 4ms/step
>28, 229/468, d=0.241, g=5.746
2/2 [==============================] - 0s 12ms/step
>28, 230/468, d=0.366, g=2.206
2/2 [==============================] - 0s 5ms/step
>28, 231/468, d=0.307, g=1.712
2/2 [==============================] - 0s 7ms/step
>28, 232/468, d=0.391, g=5.335
2/2 [==============================] - 0s 10ms/step
>28, 233/468, d=0.356, g=6.938
2/2 [==============================] - 0s 6ms/step
>28, 234/468, d=0.408, g=0.425
2/2 [==============================] - 0s 5ms/step
>28, 235/468, d=0.191, g=0.084
2/2 [==============================] - 0s 8ms/step
>28, 236/468, d=0.182, g=0.174
2/2 [==============================] - 0s 5ms/step
>28, 237/468, d=0.275, g=1.004
2/2 [==============================] - 0s 8ms/step
>28, 238/468, d=0.210, g=1.129
2/2 [==============================] - 0s 6ms/step
>28, 239/468, d=0.262, g=1.079
2/2 [==============================] - 0s 5ms/step
>28, 240/468, d=0.244, g=3.055
2/2 [==============================] - 0s 5ms/step
>28, 241/468, d=0.212, g=2.984
2/2 [==============================] - 0s 5ms/step
>28, 242/468, d=0.203, g=4.698
2/2 [==============================] - 0s 12ms/step
>28, 243/468, d=0.362, g=7.372
2/2 [==============================] - 0s 6ms/step
>28, 244/468, d=0.199, g=7.663
2/2 [==============================] - 0s 6ms/step
>28, 245/468, d=0.331, g=5.491
2/2 [==============================] - 0s 5ms/step
>28, 246/468, d=0.286, g=4.918
2/2 [==============================] - 0s 6ms/step
>28, 247/468, d=0.326, g=3.714
2/2 [==============================] - 0s 14ms/step
>28, 248/468, d=0.259, g=5.909
2/2 [==============================] - 0s 4ms/step
```

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>28, 249/468, d=0.308, g=5.720
2/2 [==============================] - 0s 8ms/step
>28, 250/468, d=0.321, g=2.767
2/2 [==============================] - 0s 7ms/step
>28, 251/468, d=0.345, g=3.180
2/2 [==============================] - 0s 7ms/step
>28, 252/468, d=0.311, g=3.890
2/2 [==============================] - 0s 7ms/step
>28, 253/468, d=0.345, g=3.306
2/2 [==============================] - 0s 4ms/step
>28, 254/468, d=0.332, g=1.388
2/2 [==============================] - 0s 9ms/step
>28, 255/468, d=0.319, g=1.640
2/2 [==============================] - 0s 4ms/step
>28, 256/468, d=0.247, g=2.346
2/2 [==============================] - 0s 4ms/step
>28, 257/468, d=0.223, g=4.089
2/2 [==============================] - 0s 16ms/step
>28, 258/468, d=0.388, g=6.224
2/2 [==============================] - 0s 6ms/step
>28, 259/468, d=0.217, g=5.365
2/2 [==============================] - 0s 4ms/step
>28, 260/468, d=0.238, g=3.691
2/2 [==============================] - 0s 7ms/step
>28, 261/468, d=0.214, g=3.824
2/2 [==============================] - 0s 11ms/step
>28, 262/468, d=0.332, g=4.205
2/2 [==============================] - 0s 11ms/step
>28, 263/468, d=0.318, g=2.810
2/2 [==============================] - 0s 5ms/step
>28, 264/468, d=0.214, g=2.260
2/2 [==============================] - 0s 5ms/step
>28, 265/468, d=0.327, g=3.461
2/2 [==============================] - 0s 6ms/step
>28, 266/468, d=0.444, g=3.424
2/2 [==============================] - 0s 4ms/step
>28, 267/468, d=0.340, g=3.001
2/2 [==============================] - 0s 5ms/step
>28, 268/468, d=0.190, g=1.315
2/2 [==============================] - 0s 6ms/step
>28, 269/468, d=0.127, g=1.100
2/2 [==============================] - 0s 9ms/step
>28, 270/468, d=0.168, g=0.903
2/2 [==============================] - 0s 4ms/step
>28, 271/468, d=0.305, g=1.257
2/2 [==============================] - 0s 5ms/step
>28, 272/468, d=0.314, g=2.185
2/2 [==============================] - 0s 7ms/step
>28, 273/468, d=0.366, g=3.732
2/2 [==============================] - 0s 6ms/step
>28, 274/468, d=0.277, g=2.647
2/2 [==============================] - 0s 5ms/step
>28, 275/468, d=0.284, g=3.247
2/2 [==============================] - 0s 15ms/step
>28, 276/468, d=0.311, g=5.361
2/2 [==============================] - 0s 5ms/step
>28, 277/468, d=0.358, g=2.403
2/2 [==============================] - 0s 7ms/step
>28, 278/468, d=0.226, g=1.728
2/2 [==============================] - 0s 7ms/step
>28, 279/468, d=0.215, g=3.707
2/2 [==============================] - 0s 7ms/step
>28, 280/468, d=0.322, g=5.009
2/2 [==============================] - 0s 11ms/step
```

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>28, 281/468, d=0.200, g=3.773
2/2 [==============================] - 0s 5ms/step
>28, 282/468, d=0.225, g=3.214
2/2 [==============================] - 0s 12ms/step
>28, 283/468, d=0.223, g=2.552
2/2 [==============================] - 0s 4ms/step
>28, 284/468, d=0.312, g=2.630
2/2 [==============================] - 0s 8ms/step
>28, 285/468, d=0.311, g=5.335
2/2 [==============================] - 0s 9ms/step
>28, 286/468, d=0.309, g=3.420
2/2 [==============================] - 0s 7ms/step
>28, 287/468, d=0.230, g=1.903
2/2 [==============================] - 0s 13ms/step
>28, 288/468, d=0.249, g=0.855
2/2 [==============================] - 0s 5ms/step
>28, 289/468, d=0.486, g=3.080
2/2 [==============================] - 0s 5ms/step
>28, 290/468, d=0.347, g=2.844
2/2 [==============================] - 0s 8ms/step
>28, 291/468, d=0.279, g=2.025
2/2 [==============================] - 0s 5ms/step
>28, 292/468, d=0.478, g=7.325
2/2 [==============================] - 0s 6ms/step
>28, 293/468, d=0.368, g=3.580
2/2 [==============================] - 0s 9ms/step
>28, 294/468, d=0.301, g=2.110
2/2 [==============================] - 0s 6ms/step
>28, 295/468, d=0.332, g=2.957
2/2 [==============================] - 0s 6ms/step
>28, 296/468, d=0.313, g=2.546
2/2 [==============================] - 0s 5ms/step
>28, 297/468, d=0.264, g=2.946
2/2 [==============================] - 0s 5ms/step
>28, 298/468, d=0.282, g=3.081
2/2 [==============================] - 0s 12ms/step
>28, 299/468, d=0.312, g=3.464
2/2 [==============================] - 0s 5ms/step
>28, 300/468, d=0.238, g=2.987
2/2 [==============================] - 0s 6ms/step
>28, 301/468, d=0.344, g=7.043
2/2 [==============================] - 0s 9ms/step
>28, 302/468, d=0.293, g=5.303
2/2 [==============================] - 0s 5ms/step
>28, 303/468, d=0.253, g=1.708
2/2 [==============================] - 0s 4ms/step
>28, 304/468, d=0.156, g=0.451
2/2 [==============================] - 0s 6ms/step
>28, 305/468, d=0.346, g=0.572
2/2 [==============================] - 0s 5ms/step
>28, 306/468, d=0.402, g=2.172
2/2 [==============================] - 0s 13ms/step
>28, 307/468, d=0.405, g=4.155
2/2 [==============================] - 0s 14ms/step
>28, 308/468, d=0.374, g=8.941
2/2 [==============================] - 0s 6ms/step
>28, 309/468, d=0.332, g=6.511
2/2 [==============================] - 0s 13ms/step
>28, 310/468, d=0.238, g=5.289
2/2 [==============================] - 0s 4ms/step
>28, 311/468, d=0.221, g=3.472
2/2 [==============================] - 0s 8ms/step
>28, 312/468, d=0.251, g=3.239
2/2 [==============================] - 0s 8ms/step
```

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>28, 313/468, d=0.222, g=3.760
2/2 [==============================] - 0s 7ms/step
>28, 314/468, d=0.161, g=3.935
2/2 [==============================] - 0s 7ms/step
>28, 315/468, d=0.184, g=2.686
2/2 [==============================] - 0s 5ms/step
>28, 316/468, d=0.274, g=3.574
2/2 [==============================] - 0s 6ms/step
>28, 317/468, d=0.201, g=4.361
2/2 [==============================] - 0s 5ms/step
>28, 318/468, d=0.310, g=3.434
2/2 [==============================] - 0s 5ms/step
>28, 319/468, d=0.265, g=3.234
2/2 [==============================] - 0s 9ms/step
>28, 320/468, d=0.232, g=3.254
2/2 [==============================] - 0s 5ms/step
>28, 321/468, d=0.280, g=2.160
2/2 [==============================] - 0s 5ms/step
>28, 322/468, d=0.311, g=2.367
2/2 [==============================] - 0s 5ms/step
>28, 323/468, d=0.171, g=2.546
2/2 [==============================] - 0s 7ms/step
>28, 324/468, d=0.268, g=2.219
2/2 [==============================] - 0s 4ms/step
>28, 325/468, d=0.335, g=2.399
2/2 [==============================] - 0s 6ms/step
>28, 326/468, d=0.351, g=3.819
2/2 [==============================] - 0s 7ms/step
>28, 327/468, d=0.244, g=3.747
2/2 [==============================] - 0s 9ms/step
>28, 328/468, d=0.230, g=2.931
2/2 [==============================] - 0s 7ms/step
>28, 329/468, d=0.326, g=5.618
2/2 [==============================] - 0s 5ms/step
>28, 330/468, d=0.296, g=2.401
2/2 [==============================] - 0s 9ms/step
>28, 331/468, d=0.260, g=1.612
2/2 [==============================] - 0s 14ms/step
>28, 332/468, d=0.199, g=1.764
2/2 [==============================] - 0s 9ms/step
>28, 333/468, d=0.276, g=3.547
2/2 [==============================] - 0s 6ms/step
>28, 334/468, d=0.275, g=4.005
2/2 [==============================] - 0s 14ms/step
>28, 335/468, d=0.351, g=2.319
2/2 [==============================] - 0s 6ms/step
>28, 336/468, d=0.316, g=3.590
2/2 [==============================] - 0s 8ms/step
>28, 337/468, d=0.306, g=5.286
2/2 [==============================] - 0s 4ms/step
>28, 338/468, d=0.227, g=4.347
2/2 [==============================] - 0s 13ms/step
>28, 339/468, d=0.183, g=4.023
2/2 [==============================] - 0s 5ms/step
>28, 340/468, d=0.400, g=3.913
2/2 [==============================] - 0s 9ms/step
>28, 341/468, d=0.286, g=3.909
2/2 [==============================] - 0s 11ms/step
>28, 342/468, d=0.385, g=1.451
2/2 [==============================] - 0s 7ms/step
>28, 343/468, d=0.163, g=1.329
2/2 [==============================] - 0s 6ms/step
>28, 344/468, d=0.262, g=1.333
2/2 [==============================] - 0s 6ms/step
```

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>28, 345/468, d=0.221, g=3.492
2/2 [==============================] - 0s 7ms/step
>28, 346/468, d=0.208, g=3.469
2/2 [==============================] - 0s 6ms/step
>28, 347/468, d=0.191, g=2.543
2/2 [==============================] - 0s 5ms/step
>28, 348/468, d=0.238, g=2.809
2/2 [==============================] - 0s 11ms/step
>28, 349/468, d=0.308, g=5.362
2/2 [==============================] - 0s 6ms/step
>28, 350/468, d=0.256, g=5.090
2/2 [==============================] - 0s 6ms/step
>28, 351/468, d=0.249, g=3.683
2/2 [==============================] - 0s 15ms/step
>28, 352/468, d=0.209, g=3.094
2/2 [==============================] - 0s 4ms/step
>28, 353/468, d=0.353, g=4.695
2/2 [==============================] - 0s 4ms/step
>28, 354/468, d=0.240, g=2.332
2/2 [==============================] - 0s 5ms/step
>28, 355/468, d=0.241, g=2.551
2/2 [==============================] - 0s 14ms/step
>28, 356/468, d=0.226, g=3.386
2/2 [==============================] - 0s 4ms/step
>28, 357/468, d=0.234, g=3.428
2/2 [==============================] - 0s 11ms/step
>28, 358/468, d=0.304, g=3.103
2/2 [==============================] - 0s 8ms/step
>28, 359/468, d=0.296, g=2.117
2/2 [==============================] - 0s 7ms/step
>28, 360/468, d=0.254, g=2.598
2/2 [==============================] - 0s 4ms/step
>28, 361/468, d=0.303, g=3.023
2/2 [==============================] - 0s 5ms/step
>28, 362/468, d=0.356, g=2.434
2/2 [==============================] - 0s 5ms/step
>28, 363/468, d=0.248, g=1.876
2/2 [==============================] - 0s 4ms/step
>28, 364/468, d=0.281, g=3.506
2/2 [==============================] - 0s 4ms/step
>28, 365/468, d=0.210, g=3.177
2/2 [==============================] - 0s 17ms/step
>28, 366/468, d=0.268, g=1.984
2/2 [==============================] - 0s 8ms/step
>28, 367/468, d=0.275, g=3.131
2/2 [==============================] - 0s 10ms/step
>28, 368/468, d=0.180, g=3.080
2/2 [==============================] - 0s 8ms/step
>28, 369/468, d=0.225, g=2.420
2/2 [==============================] - 0s 11ms/step
>28, 370/468, d=0.196, g=2.856
2/2 [==============================] - 0s 5ms/step
>28, 371/468, d=0.244, g=4.425
2/2 [==============================] - 0s 7ms/step
>28, 372/468, d=0.390, g=0.671
2/2 [==============================] - 0s 6ms/step
>28, 373/468, d=0.349, g=1.189
2/2 [==============================] - 0s 4ms/step
>28, 374/468, d=0.299, g=3.923
2/2 [==============================] - 0s 7ms/step
>28, 375/468, d=0.308, g=4.205
2/2 [==============================] - 0s 5ms/step
>28, 376/468, d=0.232, g=2.631
2/2 [==============================] - 0s 5ms/step
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>28, 377/468, d=0.331, g=3.993
2/2 [==============================] - 0s 10ms/step
>28, 378/468, d=0.241, g=3.515
2/2 [==============================] - 0s 12ms/step
>28, 379/468, d=0.312, g=0.707
2/2 [==============================] - 0s 5ms/step
>28, 380/468, d=0.203, g=0.757
2/2 [==============================] - 0s 5ms/step
>28, 381/468, d=0.303, g=2.304
2/2 [==============================] - 0s 10ms/step
>28, 382/468, d=0.251, g=1.631
2/2 [==============================] - 0s 8ms/step
>28, 383/468, d=0.211, g=3.516
2/2 [==============================] - 0s 6ms/step
>28, 384/468, d=0.161, g=3.165
2/2 [==============================] - 0s 6ms/step
>28, 385/468, d=0.379, g=2.833
2/2 [==============================] - 0s 8ms/step
>28, 386/468, d=0.321, g=3.475
2/2 [==============================] - 0s 6ms/step
>28, 387/468, d=0.301, g=1.611
2/2 [==============================] - 0s 5ms/step
>28, 388/468, d=0.280, g=2.477
2/2 [==============================] - 0s 21ms/step
>28, 389/468, d=0.298, g=1.807
2/2 [==============================] - 0s 5ms/step
>28, 390/468, d=0.204, g=1.822
2/2 [==============================] - 0s 13ms/step
>28, 391/468, d=0.255, g=4.135
2/2 [==============================] - 0s 6ms/step
>28, 392/468, d=0.215, g=3.379
2/2 [==============================] - 0s 10ms/step
>28, 393/468, d=0.277, g=3.068
2/2 [==============================] - 0s 4ms/step
>28, 394/468, d=0.253, g=1.452
2/2 [==============================] - 0s 5ms/step
>28, 395/468, d=0.437, g=3.125
2/2 [==============================] - 0s 4ms/step
>28, 396/468, d=0.300, g=4.109
2/2 [==============================] - 0s 11ms/step
>28, 397/468, d=0.256, g=4.888
2/2 [==============================] - 0s 7ms/step
>28, 398/468, d=0.274, g=4.986
2/2 [==============================] - 0s 4ms/step
>28, 399/468, d=0.227, g=2.888
2/2 [==============================] - 0s 5ms/step
>28, 400/468, d=0.237, g=2.232
2/2 [==============================] - 0s 6ms/step
>28, 401/468, d=0.205, g=2.937
2/2 [==============================] - 0s 14ms/step
>28, 402/468, d=0.234, g=2.155
2/2 [==============================] - 0s 5ms/step
>28, 403/468, d=0.325, g=2.177
2/2 [==============================] - 0s 6ms/step
>28, 404/468, d=0.170, g=2.197
2/2 [==============================] - 0s 5ms/step
>28, 405/468, d=0.182, g=2.637
2/2 [==============================] - 0s 11ms/step
>28, 406/468, d=0.408, g=4.052
2/2 [==============================] - 0s 7ms/step
>28, 407/468, d=0.242, g=4.791
2/2 [==============================] - 0s 5ms/step
>28, 408/468, d=0.370, g=1.495
2/2 [==============================] - 0s 4ms/step
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>28, 409/468, d=0.281, g=1.691
2/2 [==============================] - 0s 7ms/step
>28, 410/468, d=0.290, g=1.276
2/2 [==============================] - 0s 7ms/step
>28, 411/468, d=0.279, g=4.049
2/2 [==============================] - 0s 9ms/step
>28, 412/468, d=0.238, g=5.182
2/2 [==============================] - 0s 8ms/step
>28, 413/468, d=0.165, g=4.140
2/2 [==============================] - 0s 11ms/step
>28, 414/468, d=0.300, g=7.505
2/2 [==============================] - 0s 7ms/step
>28, 415/468, d=0.259, g=4.079
2/2 [==============================] - 0s 4ms/step
>28, 416/468, d=0.247, g=1.585
2/2 [==============================] - 0s 10ms/step
>28, 417/468, d=0.359, g=2.498
2/2 [==============================] - 0s 9ms/step
>28, 418/468, d=0.260, g=4.350
2/2 [==============================] - 0s 6ms/step
>28, 419/468, d=0.174, g=3.791
2/2 [==============================] - 0s 6ms/step
>28, 420/468, d=0.190, g=2.817
2/2 [==============================] - 0s 5ms/step
>28, 421/468, d=0.270, g=3.861
2/2 [==============================] - 0s 9ms/step
>28, 422/468, d=0.241, g=3.252
2/2 [==============================] - 0s 5ms/step
>28, 423/468, d=0.275, g=2.266
2/2 [==============================] - 0s 7ms/step
>28, 424/468, d=0.226, g=0.690
2/2 [==============================] - 0s 4ms/step
>28, 425/468, d=0.256, g=2.037
2/2 [==============================] - 0s 5ms/step
>28, 426/468, d=0.318, g=2.039
2/2 [==============================] - 0s 5ms/step
>28, 427/468, d=0.361, g=3.034
2/2 [==============================] - 0s 6ms/step
>28, 428/468, d=0.368, g=3.097
2/2 [==============================] - 0s 6ms/step
>28, 429/468, d=0.298, g=2.483
2/2 [==============================] - 0s 8ms/step
>28, 430/468, d=0.300, g=3.788
2/2 [==============================] - 0s 14ms/step
>28, 431/468, d=0.232, g=2.618
2/2 [==============================] - 0s 13ms/step
>28, 432/468, d=0.271, g=2.791
2/2 [==============================] - 0s 14ms/step
>28, 433/468, d=0.331, g=1.689
2/2 [==============================] - 0s 11ms/step
>28, 434/468, d=0.171, g=1.034
2/2 [==============================] - 0s 4ms/step
>28, 435/468, d=0.396, g=4.770
2/2 [==============================] - 0s 8ms/step
>28, 436/468, d=0.164, g=4.928
2/2 [==============================] - 0s 6ms/step
>28, 437/468, d=0.253, g=2.718
2/2 [==============================] - 0s 5ms/step
>28, 438/468, d=0.360, g=2.639
2/2 [==============================] - 0s 6ms/step
>28, 439/468, d=0.298, g=2.470
2/2 [==============================] - 0s 4ms/step
>28, 440/468, d=0.265, g=5.552
2/2 [==============================] - 0s 4ms/step
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>28, 441/468, d=0.295, g=3.420
2/2 [==============================] - 0s 7ms/step
>28, 442/468, d=0.224, g=1.163
2/2 [==============================] - 0s 6ms/step
>28, 443/468, d=0.182, g=0.864
2/2 [==============================] - 0s 11ms/step
>28, 444/468, d=0.272, g=1.423
2/2 [==============================] - 0s 5ms/step
>28, 445/468, d=0.284, g=3.280
2/2 [==============================] - 0s 10ms/step
>28, 446/468, d=0.237, g=3.880
2/2 [==============================] - 0s 8ms/step
>28, 447/468, d=0.323, g=0.912
2/2 [==============================] - 0s 5ms/step
>28, 448/468, d=0.302, g=1.607
2/2 [==============================] - 0s 5ms/step
>28, 449/468, d=0.227, g=3.302
2/2 [==============================] - 0s 5ms/step
>28, 450/468, d=0.319, g=3.462
2/2 [==============================] - 0s 9ms/step
>28, 451/468, d=0.207, g=3.546
2/2 [==============================] - 0s 12ms/step
>28, 452/468, d=0.260, g=3.409
2/2 [==============================] - 0s 7ms/step
>28, 453/468, d=0.330, g=3.101
2/2 [==============================] - 0s 12ms/step
>28, 454/468, d=0.199, g=3.408
2/2 [==============================] - 0s 4ms/step
>28, 455/468, d=0.219, g=4.738
2/2 [==============================] - 0s 15ms/step
>28, 456/468, d=0.319, g=3.168
2/2 [==============================] - 0s 6ms/step
>28, 457/468, d=0.264, g=4.603
2/2 [==============================] - 0s 12ms/step
>28, 458/468, d=0.283, g=5.105
2/2 [==============================] - 0s 11ms/step
>28, 459/468, d=0.312, g=2.614
2/2 [==============================] - 0s 6ms/step
>28, 460/468, d=0.293, g=3.850
2/2 [==============================] - 0s 9ms/step
>28, 461/468, d=0.352, g=5.565
2/2 [==============================] - 0s 5ms/step
>28, 462/468, d=0.280, g=5.715
2/2 [==============================] - 0s 7ms/step
>28, 463/468, d=0.297, g=3.580
2/2 [==============================] - 0s 6ms/step
>28, 464/468, d=0.321, g=1.936
2/2 [==============================] - 0s 5ms/step
>28, 465/468, d=0.157, g=1.196
2/2 [==============================] - 0s 4ms/step
>28, 466/468, d=0.263, g=1.419
2/2 [==============================] - 0s 12ms/step
>28, 467/468, d=0.267, g=3.201
2/2 [==============================] - 0s 8ms/step
>28, 468/468, d=0.286, g=4.771
2/2 [==============================] - 0s 10ms/step
>29, 1/468, d=0.269, g=2.176
2/2 [==============================] - 0s 4ms/step
>29, 2/468, d=0.164, g=1.202
2/2 [==============================] - 0s 13ms/step
>29, 3/468, d=0.206, g=2.494
2/2 [==============================] - 0s 11ms/step
>29, 4/468, d=0.291, g=2.545
2/2 [==============================] - 0s 7ms/step
```

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>29, 5/468, d=0.324, g=3.661
2/2 [==============================] - 0s 5ms/step
>29, 6/468, d=0.233, g=3.292
2/2 [==============================] - 0s 5ms/step
>29, 7/468, d=0.190, g=2.532
2/2 [==============================] - 0s 6ms/step
>29, 8/468, d=0.136, g=3.525
2/2 [==============================] - 0s 5ms/step
>29, 9/468, d=0.308, g=4.511
2/2 [==============================] - 0s 5ms/step
>29, 10/468, d=0.243, g=4.211
2/2 [==============================] - 0s 5ms/step
>29, 11/468, d=0.207, g=2.882
2/2 [==============================] - 0s 4ms/step
>29, 12/468, d=0.377, g=3.431
2/2 [==============================] - 0s 5ms/step
>29, 13/468, d=0.235, g=2.800
2/2 [==============================] - 0s 7ms/step
>29, 14/468, d=0.206, g=3.544
2/2 [==============================] - 0s 5ms/step
>29, 15/468, d=0.235, g=3.549
2/2 [==============================] - 0s 5ms/step
>29, 16/468, d=0.298, g=1.583
2/2 [==============================] - 0s 7ms/step
>29, 17/468, d=0.299, g=1.722
2/2 [==============================] - 0s 4ms/step
>29, 18/468, d=0.202, g=1.676
2/2 [==============================] - 0s 5ms/step
>29, 19/468, d=0.251, g=2.804
2/2 [==============================] - 0s 5ms/step
>29, 20/468, d=0.233, g=3.396
2/2 [==============================] - 0s 6ms/step
>29, 21/468, d=0.190, g=4.204
2/2 [==============================] - 0s 6ms/step
>29, 22/468, d=0.269, g=2.551
2/2 [==============================] - 0s 8ms/step
>29, 23/468, d=0.347, g=3.653
2/2 [==============================] - 0s 17ms/step
>29, 24/468, d=0.221, g=2.098
2/2 [==============================] - 0s 4ms/step
>29, 25/468, d=0.304, g=1.904
2/2 [==============================] - 0s 7ms/step
>29, 26/468, d=0.219, g=2.879
2/2 [==============================] - 0s 10ms/step
>29, 27/468, d=0.284, g=2.366
2/2 [==============================] - 0s 4ms/step
>29, 28/468, d=0.310, g=2.622
2/2 [==============================] - 0s 4ms/step
>29, 29/468, d=0.286, g=3.133
2/2 [==============================] - 0s 19ms/step
>29, 30/468, d=0.334, g=0.764
2/2 [==============================] - 0s 4ms/step
>29, 31/468, d=0.292, g=1.764
2/2 [==============================] - 0s 7ms/step
>29, 32/468, d=0.388, g=3.057
2/2 [==============================] - 0s 18ms/step
>29, 33/468, d=0.411, g=4.768
2/2 [==============================] - 0s 8ms/step
>29, 34/468, d=0.176, g=7.465
2/2 [==============================] - 0s 11ms/step
>29, 35/468, d=0.310, g=6.159
2/2 [==============================] - 0s 12ms/step
>29, 36/468, d=0.248, g=2.734
2/2 [==============================] - 0s 5ms/step
```

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>29, 37/468, d=0.298, g=2.451
2/2 [==============================] - 0s 6ms/step
>29, 38/468, d=0.352, g=2.777
2/2 [==============================] - 0s 5ms/step
>29, 39/468, d=0.208, g=4.369
2/2 [==============================] - 0s 5ms/step
>29, 40/468, d=0.272, g=4.187
2/2 [==============================] - 0s 5ms/step
>29, 41/468, d=0.345, g=0.860
2/2 [==============================] - 0s 5ms/step
>29, 42/468, d=0.218, g=0.575
2/2 [==============================] - 0s 6ms/step
>29, 43/468, d=0.241, g=1.558
2/2 [==============================] - 0s 9ms/step
>29, 44/468, d=0.319, g=4.502
2/2 [==============================] - 0s 4ms/step
>29, 45/468, d=0.220, g=3.850
2/2 [==============================] - 0s 5ms/step
>29, 46/468, d=0.246, g=2.408
2/2 [==============================] - 0s 7ms/step
>29, 47/468, d=0.312, g=2.658
2/2 [==============================] - 0s 6ms/step
>29, 48/468, d=0.189, g=4.354
2/2 [==============================] - 0s 5ms/step
>29, 49/468, d=0.275, g=4.236
2/2 [==============================] - 0s 11ms/step
>29, 50/468, d=0.269, g=2.703
2/2 [==============================] - 0s 10ms/step
>29, 51/468, d=0.267, g=4.128
2/2 [==============================] - 0s 15ms/step
>29, 52/468, d=0.240, g=5.390
2/2 [==============================] - 0s 6ms/step
>29, 53/468, d=0.307, g=3.669
2/2 [==============================] - 0s 6ms/step
>29, 54/468, d=0.289, g=3.486
2/2 [==============================] - 0s 4ms/step
>29, 55/468, d=0.285, g=3.228
2/2 [==============================] - 0s 7ms/step
>29, 56/468, d=0.217, g=3.456
2/2 [==============================] - 0s 8ms/step
>29, 57/468, d=0.365, g=4.549
2/2 [==============================] - 0s 5ms/step
>29, 58/468, d=0.334, g=3.831
2/2 [==============================] - 0s 8ms/step
>29, 59/468, d=0.282, g=2.432
2/2 [==============================] - 0s 7ms/step
>29, 60/468, d=0.221, g=0.996
2/2 [==============================] - 0s 14ms/step
>29, 61/468, d=0.412, g=0.802
2/2 [==============================] - 0s 5ms/step
>29, 62/468, d=0.398, g=6.032
2/2 [==============================] - 0s 11ms/step
>29, 63/468, d=0.302, g=6.592
2/2 [==============================] - 0s 13ms/step
>29, 64/468, d=0.273, g=2.913
2/2 [==============================] - 0s 9ms/step
>29, 65/468, d=0.205, g=1.305
2/2 [==============================] - 0s 6ms/step
>29, 66/468, d=0.272, g=1.953
2/2 [==============================] - 0s 6ms/step
>29, 67/468, d=0.298, g=2.579
2/2 [==============================] - 0s 11ms/step
>29, 68/468, d=0.268, g=3.021
2/2 [==============================] - 0s 15ms/step
```

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>29, 69/468, d=0.245, g=3.836
2/2 [==============================] - 0s 12ms/step
>29, 70/468, d=0.247, g=3.741
2/2 [==============================] - 0s 6ms/step
>29, 71/468, d=0.174, g=3.249
2/2 [==============================] - 0s 8ms/step
>29, 72/468, d=0.363, g=3.599
2/2 [==============================] - 0s 6ms/step
>29, 73/468, d=0.243, g=1.870
2/2 [==============================] - 0s 9ms/step
>29, 74/468, d=0.273, g=2.920
2/2 [==============================] - 0s 5ms/step
>29, 75/468, d=0.311, g=3.734
2/2 [==============================] - 0s 11ms/step
>29, 76/468, d=0.157, g=4.321
2/2 [==============================] - 0s 6ms/step
>29, 77/468, d=0.215, g=5.469
2/2 [==============================] - 0s 15ms/step
>29, 78/468, d=0.221, g=3.589
2/2 [==============================] - 0s 6ms/step
>29, 79/468, d=0.267, g=3.250
2/2 [==============================] - 0s 4ms/step
>29, 80/468, d=0.266, g=3.013
2/2 [==============================] - 0s 5ms/step
>29, 81/468, d=0.250, g=2.087
2/2 [==============================] - 0s 6ms/step
>29, 82/468, d=0.307, g=0.579
2/2 [==============================] - 0s 7ms/step
>29, 83/468, d=0.245, g=1.189
2/2 [==============================] - 0s 14ms/step
>29, 84/468, d=0.323, g=1.154
2/2 [==============================] - 0s 8ms/step
>29, 85/468, d=0.236, g=3.707
2/2 [==============================] - 0s 5ms/step
>29, 86/468, d=0.181, g=1.301
2/2 [==============================] - 0s 6ms/step
>29, 87/468, d=0.264, g=2.008
2/2 [==============================] - 0s 6ms/step
>29, 88/468, d=0.213, g=2.629
2/2 [==============================] - 0s 5ms/step
>29, 89/468, d=0.346, g=2.628
2/2 [==============================] - 0s 6ms/step
>29, 90/468, d=0.253, g=1.950
2/2 [==============================] - 0s 6ms/step
>29, 91/468, d=0.317, g=3.176
2/2 [==============================] - 0s 5ms/step
>29, 92/468, d=0.235, g=4.108
2/2 [==============================] - 0s 5ms/step
>29, 93/468, d=0.252, g=4.364
2/2 [==============================] - 0s 6ms/step
>29, 94/468, d=0.262, g=3.476
2/2 [==============================] - 0s 7ms/step
>29, 95/468, d=0.274, g=1.968
2/2 [==============================] - 0s 6ms/step
>29, 96/468, d=0.361, g=3.557
2/2 [==============================] - 0s 8ms/step
>29, 97/468, d=0.234, g=2.021
2/2 [==============================] - 0s 4ms/step
>29, 98/468, d=0.195, g=1.082
2/2 [==============================] - 0s 7ms/step
>29, 99/468, d=0.218, g=1.713
2/2 [==============================] - 0s 11ms/step
>29, 100/468, d=0.302, g=3.048
2/2 [==============================] - 0s 7ms/step
```

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>29, 101/468, d=0.233, g=3.681
2/2 [==============================] - 0s 13ms/step
>29, 102/468, d=0.228, g=3.902
2/2 [==============================] - 0s 11ms/step
>29, 103/468, d=0.254, g=2.700
2/2 [==============================] - 0s 5ms/step
>29, 104/468, d=0.262, g=1.422
2/2 [==============================] - 0s 4ms/step
>29, 105/468, d=0.242, g=1.688
2/2 [==============================] - 0s 18ms/step
>29, 106/468, d=0.352, g=3.749
2/2 [==============================] - 0s 12ms/step
>29, 107/468, d=0.256, g=2.929
2/2 [==============================] - 0s 6ms/step
>29, 108/468, d=0.218, g=1.310
2/2 [==============================] - 0s 5ms/step
>29, 109/468, d=0.327, g=2.843
2/2 [==============================] - 0s 4ms/step
>29, 110/468, d=0.247, g=2.828
2/2 [==============================] - 0s 4ms/step
>29, 111/468, d=0.228, g=3.421
2/2 [==============================] - 0s 6ms/step
>29, 112/468, d=0.224, g=3.556
2/2 [==============================] - 0s 5ms/step
>29, 113/468, d=0.277, g=2.678
2/2 [==============================] - 0s 4ms/step
>29, 114/468, d=0.216, g=3.215
2/2 [==============================] - 0s 9ms/step
>29, 115/468, d=0.245, g=5.580
2/2 [==============================] - 0s 16ms/step
>29, 116/468, d=0.183, g=4.602
2/2 [==============================] - 0s 12ms/step
>29, 117/468, d=0.260, g=2.637
2/2 [==============================] - 0s 10ms/step
>29, 118/468, d=0.214, g=2.045
2/2 [==============================] - 0s 5ms/step
>29, 119/468, d=0.284, g=1.942
2/2 [==============================] - 0s 8ms/step
>29, 120/468, d=0.266, g=2.903
2/2 [==============================] - 0s 4ms/step
>29, 121/468, d=0.265, g=4.476
2/2 [==============================] - 0s 8ms/step
>29, 122/468, d=0.287, g=1.436
2/2 [==============================] - 0s 9ms/step
>29, 123/468, d=0.333, g=1.360
2/2 [==============================] - 0s 12ms/step
>29, 124/468, d=0.273, g=1.458
2/2 [==============================] - 0s 8ms/step
>29, 125/468, d=0.222, g=1.349
2/2 [==============================] - 0s 5ms/step
>29, 126/468, d=0.347, g=3.690
2/2 [==============================] - 0s 14ms/step
>29, 127/468, d=0.320, g=2.917
2/2 [==============================] - 0s 5ms/step
>29, 128/468, d=0.254, g=3.649
2/2 [==============================] - 0s 6ms/step
>29, 129/468, d=0.241, g=3.528
2/2 [==============================] - 0s 5ms/step
>29, 130/468, d=0.255, g=3.977
2/2 [==============================] - 0s 8ms/step
>29, 131/468, d=0.330, g=0.678
2/2 [==============================] - 0s 13ms/step
>29, 132/468, d=0.359, g=2.071
2/2 [==============================] - 0s 5ms/step
```

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>29, 133/468, d=0.280, g=4.471
2/2 [==============================] - 0s 14ms/step
>29, 134/468, d=0.241, g=3.004
2/2 [==============================] - 0s 12ms/step
>29, 135/468, d=0.305, g=1.585
2/2 [==============================] - 0s 17ms/step
>29, 136/468, d=0.262, g=1.511
2/2 [==============================] - 0s 7ms/step
>29, 137/468, d=0.204, g=2.492
2/2 [==============================] - 0s 5ms/step
>29, 138/468, d=0.178, g=2.893
2/2 [==============================] - 0s 15ms/step
>29, 139/468, d=0.228, g=2.896
2/2 [==============================] - 0s 10ms/step
>29, 140/468, d=0.237, g=1.909
2/2 [==============================] - 0s 6ms/step
>29, 141/468, d=0.206, g=2.531
2/2 [==============================] - 0s 13ms/step
>29, 142/468, d=0.253, g=3.855
2/2 [==============================] - 0s 13ms/step
>29, 143/468, d=0.277, g=3.122
2/2 [==============================] - 0s 5ms/step
>29, 144/468, d=0.294, g=2.749
2/2 [==============================] - 0s 9ms/step
>29, 145/468, d=0.236, g=1.330
2/2 [==============================] - 0s 11ms/step
>29, 146/468, d=0.285, g=2.827
2/2 [==============================] - 0s 5ms/step
>29, 147/468, d=0.180, g=3.760
2/2 [==============================] - 0s 9ms/step
>29, 148/468, d=0.277, g=2.414
2/2 [==============================] - 0s 6ms/step
>29, 149/468, d=0.255, g=3.233
2/2 [==============================] - 0s 8ms/step
>29, 150/468, d=0.283, g=4.643
2/2 [==============================] - 0s 13ms/step
>29, 151/468, d=0.302, g=2.670
2/2 [==============================] - 0s 13ms/step
>29, 152/468, d=0.140, g=2.905
2/2 [==============================] - 0s 5ms/step
>29, 153/468, d=0.248, g=1.311
2/2 [==============================] - 0s 14ms/step
>29, 154/468, d=0.499, g=6.500
2/2 [==============================] - 0s 9ms/step
>29, 155/468, d=0.409, g=4.487
2/2 [==============================] - 0s 5ms/step
>29, 156/468, d=0.296, g=1.666
2/2 [==============================] - 0s 6ms/step
>29, 157/468, d=0.307, g=1.649
2/2 [==============================] - 0s 8ms/step
>29, 158/468, d=0.323, g=3.656
2/2 [==============================] - 0s 7ms/step
>29, 159/468, d=0.309, g=3.165
2/2 [==============================] - 0s 5ms/step
>29, 160/468, d=0.214, g=2.888
2/2 [==============================] - 0s 8ms/step
>29, 161/468, d=0.301, g=3.088
2/2 [==============================] - 0s 14ms/step
>29, 162/468, d=0.330, g=2.612
2/2 [==============================] - 0s 5ms/step
>29, 163/468, d=0.263, g=2.749
2/2 [==============================] - 0s 5ms/step
>29, 164/468, d=0.232, g=3.199
2/2 [==============================] - 0s 5ms/step
```

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>29, 165/468, d=0.264, g=2.639
2/2 [==============================] - 0s 11ms/step
>29, 166/468, d=0.220, g=2.502
2/2 [==============================] - 0s 10ms/step
>29, 167/468, d=0.309, g=2.411
2/2 [==============================] - 0s 17ms/step
>29, 168/468, d=0.254, g=3.215
2/2 [==============================] - 0s 5ms/step
>29, 169/468, d=0.212, g=3.362
2/2 [==============================] - 0s 7ms/step
>29, 170/468, d=0.307, g=3.052
2/2 [==============================] - 0s 8ms/step
>29, 171/468, d=0.310, g=1.981
2/2 [==============================] - 0s 9ms/step
>29, 172/468, d=0.165, g=1.766
2/2 [==============================] - 0s 5ms/step
>29, 173/468, d=0.218, g=1.044
2/2 [==============================] - 0s 6ms/step
>29, 174/468, d=0.341, g=3.634
2/2 [==============================] - 0s 6ms/step
>29, 175/468, d=0.347, g=2.632
2/2 [==============================] - 0s 14ms/step
>29, 176/468, d=0.269, g=1.891
2/2 [==============================] - 0s 4ms/step
>29, 177/468, d=0.287, g=2.886
2/2 [==============================] - 0s 8ms/step
>29, 178/468, d=0.217, g=2.331
2/2 [==============================] - 0s 10ms/step
>29, 179/468, d=0.275, g=2.223
2/2 [==============================] - 0s 6ms/step
>29, 180/468, d=0.222, g=3.642
2/2 [==============================] - 0s 7ms/step
>29, 181/468, d=0.356, g=3.547
2/2 [==============================] - 0s 5ms/step
>29, 182/468, d=0.215, g=4.702
2/2 [==============================] - 0s 10ms/step
>29, 183/468, d=0.359, g=3.049
2/2 [==============================] - 0s 10ms/step
>29, 184/468, d=0.222, g=2.484
2/2 [==============================] - 0s 5ms/step
>29, 185/468, d=0.283, g=4.006
2/2 [==============================] - 0s 11ms/step
>29, 186/468, d=0.340, g=2.871
2/2 [==============================] - 0s 14ms/step
>29, 187/468, d=0.262, g=2.284
2/2 [==============================] - 0s 6ms/step
>29, 188/468, d=0.275, g=4.135
2/2 [==============================] - 0s 5ms/step
>29, 189/468, d=0.225, g=4.847
2/2 [==============================] - 0s 5ms/step
>29, 190/468, d=0.183, g=4.912
2/2 [==============================] - 0s 12ms/step
>29, 191/468, d=0.232, g=5.845
2/2 [==============================] - 0s 7ms/step
>29, 192/468, d=0.260, g=2.094
2/2 [==============================] - 0s 13ms/step
>29, 193/468, d=0.296, g=2.416
2/2 [==============================] - 0s 17ms/step
>29, 194/468, d=0.283, g=5.998
2/2 [==============================] - 0s 9ms/step
>29, 195/468, d=0.357, g=2.105
2/2 [==============================] - 0s 6ms/step
>29, 196/468, d=0.281, g=1.477
2/2 [==============================] - 0s 4ms/step
```

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>29, 197/468, d=0.304, g=1.881
2/2 [==============================] - 0s 9ms/step
>29, 198/468, d=0.288, g=3.794
2/2 [==============================] - 0s 8ms/step
>29, 199/468, d=0.208, g=4.221
2/2 [==============================] - 0s 7ms/step
>29, 200/468, d=0.275, g=1.604
2/2 [==============================] - 0s 6ms/step
>29, 201/468, d=0.251, g=2.546
2/2 [==============================] - 0s 12ms/step
>29, 202/468, d=0.169, g=2.987
2/2 [==============================] - 0s 11ms/step
>29, 203/468, d=0.286, g=4.005
2/2 [==============================] - 0s 6ms/step
>29, 204/468, d=0.259, g=3.531
2/2 [==============================] - 0s 7ms/step
>29, 205/468, d=0.332, g=2.704
2/2 [==============================] - 0s 12ms/step
>29, 206/468, d=0.292, g=4.032
2/2 [==============================] - 0s 11ms/step
>29, 207/468, d=0.204, g=2.843
2/2 [==============================] - 0s 7ms/step
>29, 208/468, d=0.362, g=3.104
2/2 [==============================] - 0s 12ms/step
>29, 209/468, d=0.295, g=0.548
2/2 [==============================] - 0s 5ms/step
>29, 210/468, d=0.310, g=1.598
2/2 [==============================] - 0s 5ms/step
>29, 211/468, d=0.206, g=0.994
2/2 [==============================] - 0s 8ms/step
>29, 212/468, d=0.247, g=1.105
2/2 [==============================] - 0s 15ms/step
>29, 213/468, d=0.316, g=2.929
2/2 [==============================] - 0s 6ms/step
>29, 214/468, d=0.275, g=2.770
2/2 [==============================] - 0s 6ms/step
>29, 215/468, d=0.226, g=2.622
2/2 [==============================] - 0s 6ms/step
>29, 216/468, d=0.295, g=5.072
2/2 [==============================] - 0s 8ms/step
>29, 217/468, d=0.406, g=3.503
2/2 [==============================] - 0s 7ms/step
>29, 218/468, d=0.272, g=3.105
2/2 [==============================] - 0s 7ms/step
>29, 219/468, d=0.298, g=3.278
2/2 [==============================] - 0s 5ms/step
>29, 220/468, d=0.307, g=4.136
2/2 [==============================] - 0s 13ms/step
>29, 221/468, d=0.278, g=2.912
2/2 [==============================] - 0s 14ms/step
>29, 222/468, d=0.311, g=2.695
2/2 [==============================] - 0s 4ms/step
>29, 223/468, d=0.392, g=4.685
2/2 [==============================] - 0s 4ms/step
>29, 224/468, d=0.300, g=2.417
2/2 [==============================] - 0s 4ms/step
>29, 225/468, d=0.271, g=1.591
2/2 [==============================] - 0s 12ms/step
>29, 226/468, d=0.348, g=3.044
2/2 [==============================] - 0s 6ms/step
>29, 227/468, d=0.302, g=5.270
2/2 [==============================] - 0s 8ms/step
>29, 228/468, d=0.207, g=5.086
2/2 [==============================] - 0s 10ms/step
```

```
>29, 229/468, d=0.324, g=2.125
2/2 [==============================] - 0s 6ms/step
>29, 230/468, d=0.202, g=2.147
2/2 [==============================] - 0s 7ms/step
>29, 231/468, d=0.332, g=4.559
2/2 [==============================] - 0s 7ms/step
>29, 232/468, d=0.383, g=3.650
2/2 [==============================] - 0s 7ms/step
>29, 233/468, d=0.306, g=1.526
2/2 [==============================] - 0s 5ms/step
>29, 234/468, d=0.289, g=1.455
2/2 [==============================] - 0s 12ms/step
>29, 235/468, d=0.210, g=3.075
2/2 [==============================] - 0s 7ms/step
>29, 236/468, d=0.269, g=2.610
2/2 [==============================] - 0s 5ms/step
>29, 237/468, d=0.398, g=1.314
2/2 [==============================] - 0s 6ms/step
>29, 238/468, d=0.327, g=3.980
2/2 [==============================] - 0s 5ms/step
>29, 239/468, d=0.288, g=1.740
2/2 [==============================] - 0s 5ms/step
>29, 240/468, d=0.222, g=0.433
2/2 [==============================] - 0s 6ms/step
>29, 241/468, d=0.303, g=0.342
2/2 [==============================] - 0s 5ms/step
>29, 242/468, d=0.297, g=2.259
2/2 [==============================] - 0s 7ms/step
>29, 243/468, d=0.342, g=4.922
2/2 [==============================] - 0s 9ms/step
>29, 244/468, d=0.399, g=2.816
2/2 [==============================] - 0s 9ms/step
>29, 245/468, d=0.432, g=3.422
2/2 [==============================] - 0s 7ms/step
>29, 246/468, d=0.295, g=3.949
2/2 [==============================] - 0s 5ms/step
>29, 247/468, d=0.379, g=2.472
2/2 [==============================] - 0s 7ms/step
>29, 248/468, d=0.297, g=2.509
2/2 [==============================] - 0s 5ms/step
>29, 249/468, d=0.240, g=3.023
2/2 [==============================] - 0s 5ms/step
>29, 250/468, d=0.360, g=2.886
2/2 [==============================] - 0s 6ms/step
>29, 251/468, d=0.305, g=3.766
2/2 [==============================] - 0s 6ms/step
>29, 252/468, d=0.312, g=2.245
2/2 [==============================] - 0s 5ms/step
>29, 253/468, d=0.279, g=0.766
2/2 [==============================] - 0s 6ms/step
>29, 254/468, d=0.320, g=2.019
2/2 [==============================] - 0s 5ms/step
>29, 255/468, d=0.184, g=2.708
2/2 [==============================] - 0s 6ms/step
>29, 256/468, d=0.241, g=1.174
2/2 [==============================] - 0s 11ms/step
>29, 257/468, d=0.330, g=1.837
2/2 [==============================] - 0s 6ms/step
>29, 258/468, d=0.228, g=3.470
2/2 [==============================] - 0s 6ms/step
>29, 259/468, d=0.305, g=3.820
2/2 [==============================] - 0s 4ms/step
>29, 260/468, d=0.219, g=3.484
2/2 [==============================] - 0s 7ms/step
```

```
>29, 261/468, d=0.267, g=4.015
2/2 [==============================] - 0s 6ms/step
>29, 262/468, d=0.269, g=2.275
2/2 [==============================] - 0s 9ms/step
>29, 263/468, d=0.239, g=1.099
2/2 [==============================] - 0s 9ms/step
>29, 264/468, d=0.404, g=4.470
2/2 [==============================] - 0s 6ms/step
>29, 265/468, d=0.277, g=3.945
2/2 [==============================] - 0s 4ms/step
>29, 266/468, d=0.267, g=2.865
2/2 [==============================] - 0s 6ms/step
>29, 267/468, d=0.281, g=3.234
2/2 [==============================] - 0s 7ms/step
>29, 268/468, d=0.250, g=3.788
2/2 [==============================] - 0s 5ms/step
>29, 269/468, d=0.300, g=2.831
2/2 [==============================] - 0s 10ms/step
>29, 270/468, d=0.319, g=3.777
2/2 [==============================] - 0s 16ms/step
>29, 271/468, d=0.202, g=5.201
2/2 [==============================] - 0s 10ms/step
>29, 272/468, d=0.249, g=5.196
2/2 [==============================] - 0s 5ms/step
>29, 273/468, d=0.271, g=2.761
2/2 [==============================] - 0s 7ms/step
>29, 274/468, d=0.301, g=3.328
2/2 [==============================] - 0s 7ms/step
>29, 275/468, d=0.298, g=1.424
2/2 [==============================] - 0s 6ms/step
>29, 276/468, d=0.275, g=0.792
2/2 [==============================] - 0s 6ms/step
>29, 277/468, d=0.291, g=2.035
2/2 [==============================] - 0s 12ms/step
>29, 278/468, d=0.302, g=5.432
2/2 [==============================] - 0s 15ms/step
>29, 279/468, d=0.205, g=4.433
2/2 [==============================] - 0s 16ms/step
>29, 280/468, d=0.335, g=1.218
2/2 [==============================] - 0s 6ms/step
>29, 281/468, d=0.226, g=0.797
2/2 [==============================] - 0s 7ms/step
>29, 282/468, d=0.270, g=1.850
2/2 [==============================] - 0s 6ms/step
>29, 283/468, d=0.209, g=2.955
2/2 [==============================] - 0s 6ms/step
>29, 284/468, d=0.284, g=3.859
2/2 [==============================] - 0s 10ms/step
>29, 285/468, d=0.434, g=2.679
2/2 [==============================] - 0s 5ms/step
>29, 286/468, d=0.390, g=1.876
2/2 [==============================] - 0s 9ms/step
>29, 287/468, d=0.283, g=2.737
2/2 [==============================] - 0s 14ms/step
>29, 288/468, d=0.303, g=3.888
2/2 [==============================] - 0s 17ms/step
>29, 289/468, d=0.271, g=2.493
2/2 [==============================] - 0s 5ms/step
>29, 290/468, d=0.250, g=5.224
2/2 [==============================] - 0s 7ms/step
>29, 291/468, d=0.337, g=2.737
2/2 [==============================] - 0s 10ms/step
>29, 292/468, d=0.295, g=1.207
2/2 [==============================] - 0s 5ms/step
```

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>29, 293/468, d=0.265, g=1.424
2/2 [==============================] - 0s 14ms/step
>29, 294/468, d=0.332, g=3.890
2/2 [==============================] - 0s 4ms/step
>29, 295/468, d=0.349, g=2.559
2/2 [==============================] - 0s 15ms/step
>29, 296/468, d=0.283, g=3.004
2/2 [==============================] - 0s 4ms/step
>29, 297/468, d=0.299, g=3.727
2/2 [==============================] - 0s 6ms/step
>29, 298/468, d=0.300, g=2.035
2/2 [==============================] - 0s 7ms/step
>29, 299/468, d=0.240, g=2.600
2/2 [==============================] - 0s 8ms/step
>29, 300/468, d=0.276, g=3.824
2/2 [==============================] - 0s 7ms/step
>29, 301/468, d=0.388, g=6.428
2/2 [==============================] - 0s 5ms/step
>29, 302/468, d=0.389, g=3.396
2/2 [==============================] - 0s 6ms/step
>29, 303/468, d=0.226, g=0.732
2/2 [==============================] - 0s 5ms/step
>29, 304/468, d=0.275, g=1.487
2/2 [==============================] - 0s 13ms/step
>29, 305/468, d=0.217, g=2.861
2/2 [==============================] - 0s 8ms/step
>29, 306/468, d=0.248, g=4.811
2/2 [==============================] - 0s 13ms/step
>29, 307/468, d=0.269, g=5.112
2/2 [==============================] - 0s 6ms/step
>29, 308/468, d=0.210, g=4.143
2/2 [==============================] - 0s 6ms/step
>29, 309/468, d=0.218, g=1.611
2/2 [==============================] - 0s 5ms/step
>29, 310/468, d=0.314, g=3.774
2/2 [==============================] - 0s 6ms/step
>29, 311/468, d=0.321, g=4.959
2/2 [==============================] - 0s 9ms/step
>29, 312/468, d=0.226, g=1.923
2/2 [==============================] - 0s 13ms/step
>29, 313/468, d=0.244, g=0.893
2/2 [==============================] - 0s 5ms/step
>29, 314/468, d=0.286, g=1.857
2/2 [==============================] - 0s 9ms/step
>29, 315/468, d=0.207, g=2.770
2/2 [==============================] - 0s 4ms/step
>29, 316/468, d=0.222, g=2.044
2/2 [==============================] - 0s 6ms/step
>29, 317/468, d=0.311, g=1.455
2/2 [==============================] - 0s 9ms/step
>29, 318/468, d=0.352, g=2.828
2/2 [==============================] - 0s 10ms/step
>29, 319/468, d=0.350, g=6.630
2/2 [==============================] - 0s 8ms/step
>29, 320/468, d=0.471, g=1.301
2/2 [==============================] - 0s 5ms/step
>29, 321/468, d=0.235, g=0.473
2/2 [==============================] - 0s 5ms/step
>29, 322/468, d=0.389, g=0.580
2/2 [==============================] - 0s 5ms/step
>29, 323/468, d=0.464, g=2.137
2/2 [==============================] - 0s 9ms/step
>29, 324/468, d=0.264, g=2.750
2/2 [==============================] - 0s 5ms/step
```

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>29, 325/468, d=0.415, g=2.223
2/2 [==============================] - 0s 5ms/step
>29, 326/468, d=0.246, g=1.370
2/2 [==============================] - 0s 6ms/step
>29, 327/468, d=0.278, g=1.598
2/2 [==============================] - 0s 7ms/step
>29, 328/468, d=0.228, g=2.022
2/2 [==============================] - 0s 6ms/step
>29, 329/468, d=0.226, g=2.235
2/2 [==============================] - 0s 5ms/step
>29, 330/468, d=0.211, g=3.325
2/2 [==============================] - 0s 7ms/step
>29, 331/468, d=0.279, g=2.764
2/2 [==============================] - 0s 5ms/step
>29, 332/468, d=0.402, g=4.880
2/2 [==============================] - 0s 7ms/step
>29, 333/468, d=0.437, g=4.431
2/2 [==============================] - 0s 12ms/step
>29, 334/468, d=0.287, g=2.700
2/2 [==============================] - 0s 4ms/step
>29, 335/468, d=0.296, g=4.951
2/2 [==============================] - 0s 11ms/step
>29, 336/468, d=0.318, g=3.662
2/2 [==============================] - 0s 11ms/step
>29, 337/468, d=0.274, g=3.335
2/2 [==============================] - 0s 6ms/step
>29, 338/468, d=0.286, g=4.652
2/2 [==============================] - 0s 7ms/step
>29, 339/468, d=0.240, g=4.292
2/2 [==============================] - 0s 7ms/step
>29, 340/468, d=0.286, g=4.083
2/2 [==============================] - 0s 12ms/step
>29, 341/468, d=0.216, g=2.848
2/2 [==============================] - 0s 18ms/step
>29, 342/468, d=0.312, g=3.603
2/2 [==============================] - 0s 5ms/step
>29, 343/468, d=0.233, g=4.723
2/2 [==============================] - 0s 13ms/step
>29, 344/468, d=0.252, g=4.125
2/2 [==============================] - 0s 8ms/step
>29, 345/468, d=0.235, g=2.178
2/2 [==============================] - 0s 6ms/step
>29, 346/468, d=0.260, g=1.938
2/2 [==============================] - 0s 4ms/step
>29, 347/468, d=0.458, g=4.815
2/2 [==============================] - 0s 6ms/step
>29, 348/468, d=0.189, g=5.625
2/2 [==============================] - 0s 15ms/step
>29, 349/468, d=0.188, g=2.804
2/2 [==============================] - 0s 8ms/step
>29, 350/468, d=0.261, g=1.534
2/2 [==============================] - 0s 11ms/step
>29, 351/468, d=0.325, g=1.948
2/2 [==============================] - 0s 7ms/step
>29, 352/468, d=0.375, g=4.212
2/2 [==============================] - 0s 5ms/step
>29, 353/468, d=0.337, g=3.051
2/2 [==============================] - 0s 8ms/step
>29, 354/468, d=0.206, g=2.849
2/2 [==============================] - 0s 5ms/step
>29, 355/468, d=0.282, g=6.650
2/2 [==============================] - 0s 9ms/step
>29, 356/468, d=0.276, g=3.342
2/2 [==============================] - 0s 7ms/step
```

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>29, 357/468, d=0.302, g=0.604
2/2 [==============================] - 0s 14ms/step
>29, 358/468, d=0.261, g=0.854
2/2 [==============================] - 0s 6ms/step
>29, 359/468, d=0.188, g=1.958
2/2 [==============================] - 0s 7ms/step
>29, 360/468, d=0.280, g=1.904
2/2 [==============================] - 0s 9ms/step
>29, 361/468, d=0.253, g=2.540
2/2 [==============================] - 0s 16ms/step
>29, 362/468, d=0.289, g=2.513
2/2 [==============================] - 0s 16ms/step
>29, 363/468, d=0.284, g=2.237
2/2 [==============================] - 0s 13ms/step
>29, 364/468, d=0.252, g=1.516
2/2 [==============================] - 0s 6ms/step
>29, 365/468, d=0.302, g=3.247
2/2 [==============================] - 0s 15ms/step
>29, 366/468, d=0.338, g=3.818
2/2 [==============================] - 0s 6ms/step
>29, 367/468, d=0.238, g=2.896
2/2 [==============================] - 0s 6ms/step
>29, 368/468, d=0.288, g=3.055
2/2 [==============================] - 0s 9ms/step
>29, 369/468, d=0.286, g=5.186
2/2 [==============================] - 0s 12ms/step
>29, 370/468, d=0.405, g=1.179
2/2 [==============================] - 0s 7ms/step
>29, 371/468, d=0.437, g=3.548
2/2 [==============================] - 0s 4ms/step
>29, 372/468, d=0.375, g=7.351
2/2 [==============================] - 0s 7ms/step
>29, 373/468, d=0.309, g=4.936
2/2 [==============================] - 0s 16ms/step
>29, 374/468, d=0.237, g=1.998
2/2 [==============================] - 0s 14ms/step
>29, 375/468, d=0.160, g=1.938
2/2 [==============================] - 0s 10ms/step
>29, 376/468, d=0.216, g=3.210
2/2 [==============================] - 0s 12ms/step
>29, 377/468, d=0.250, g=3.494
2/2 [==============================] - 0s 15ms/step
>29, 378/468, d=0.249, g=5.423
2/2 [==============================] - 0s 7ms/step
>29, 379/468, d=0.406, g=4.558
2/2 [==============================] - 0s 7ms/step
>29, 380/468, d=0.206, g=2.375
2/2 [==============================] - 0s 10ms/step
>29, 381/468, d=0.269, g=1.276
2/2 [==============================] - 0s 5ms/step
>29, 382/468, d=0.211, g=1.794
2/2 [==============================] - 0s 10ms/step
>29, 383/468, d=0.310, g=1.941
2/2 [==============================] - 0s 8ms/step
>29, 384/468, d=0.373, g=1.992
2/2 [==============================] - 0s 6ms/step
>29, 385/468, d=0.336, g=3.484
2/2 [==============================] - 0s 6ms/step
>29, 386/468, d=0.309, g=3.129
2/2 [==============================] - 0s 6ms/step
>29, 387/468, d=0.253, g=3.545
2/2 [==============================] - 0s 6ms/step
>29, 388/468, d=0.285, g=1.800
2/2 [==============================] - 0s 11ms/step
```

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>29, 389/468, d=0.226, g=2.265
2/2 [==============================] - 0s 8ms/step
>29, 390/468, d=0.256, g=1.960
2/2 [==============================] - 0s 9ms/step
>29, 391/468, d=0.171, g=3.488
2/2 [==============================] - 0s 7ms/step
>29, 392/468, d=0.261, g=2.825
2/2 [==============================] - 0s 4ms/step
>29, 393/468, d=0.227, g=4.849
2/2 [==============================] - 0s 5ms/step
>29, 394/468, d=0.293, g=2.508
2/2 [==============================] - 0s 16ms/step
>29, 395/468, d=0.187, g=1.996
2/2 [==============================] - 0s 9ms/step
>29, 396/468, d=0.330, g=2.682
2/2 [==============================] - 0s 5ms/step
>29, 397/468, d=0.231, g=2.870
2/2 [==============================] - 0s 5ms/step
>29, 398/468, d=0.196, g=1.632
2/2 [==============================] - 0s 10ms/step
>29, 399/468, d=0.199, g=2.490
2/2 [==============================] - 0s 7ms/step
>29, 400/468, d=0.197, g=2.152
2/2 [==============================] - 0s 9ms/step
>29, 401/468, d=0.369, g=2.460
2/2 [==============================] - 0s 6ms/step
>29, 402/468, d=0.253, g=3.589
2/2 [==============================] - 0s 10ms/step
>29, 403/468, d=0.264, g=4.304
2/2 [==============================] - 0s 7ms/step
>29, 404/468, d=0.349, g=2.030
2/2 [==============================] - 0s 5ms/step
>29, 405/468, d=0.313, g=2.323
2/2 [==============================] - 0s 7ms/step
>29, 406/468, d=0.291, g=2.079
2/2 [==============================] - 0s 8ms/step
>29, 407/468, d=0.285, g=4.707
2/2 [==============================] - 0s 10ms/step
>29, 408/468, d=0.247, g=3.768
2/2 [==============================] - 0s 5ms/step
>29, 409/468, d=0.286, g=3.140
2/2 [==============================] - 0s 5ms/step
>29, 410/468, d=0.261, g=3.635
2/2 [==============================] - 0s 7ms/step
>29, 411/468, d=0.356, g=3.554
2/2 [==============================] - 0s 7ms/step
>29, 412/468, d=0.301, g=3.568
2/2 [==============================] - 0s 5ms/step
>29, 413/468, d=0.325, g=2.389
2/2 [==============================] - 0s 4ms/step
>29, 414/468, d=0.236, g=1.481
2/2 [==============================] - 0s 7ms/step
>29, 415/468, d=0.292, g=3.113
2/2 [==============================] - 0s 6ms/step
>29, 416/468, d=0.272, g=5.778
2/2 [==============================] - 0s 15ms/step
>29, 417/468, d=0.247, g=3.049
2/2 [==============================] - 0s 4ms/step
>29, 418/468, d=0.178, g=1.438
2/2 [==============================] - 0s 6ms/step
>29, 419/468, d=0.199, g=1.341
2/2 [==============================] - 0s 7ms/step
>29, 420/468, d=0.335, g=4.686
2/2 [==============================] - 0s 5ms/step
```

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>29, 421/468, d=0.288, g=2.281
2/2 [==============================] - 0s 13ms/step
>29, 422/468, d=0.287, g=0.951
2/2 [==============================] - 0s 6ms/step
>29, 423/468, d=0.318, g=2.371
2/2 [==============================] - 0s 9ms/step
>29, 424/468, d=0.276, g=2.692
2/2 [==============================] - 0s 8ms/step
>29, 425/468, d=0.340, g=5.043
2/2 [==============================] - 0s 5ms/step
>29, 426/468, d=0.393, g=7.080
2/2 [==============================] - 0s 4ms/step
>29, 427/468, d=0.306, g=4.055
2/2 [==============================] - 0s 8ms/step
>29, 428/468, d=0.194, g=3.120
2/2 [==============================] - 0s 6ms/step
>29, 429/468, d=0.297, g=2.637
2/2 [==============================] - 0s 4ms/step
>29, 430/468, d=0.343, g=2.631
2/2 [==============================] - 0s 9ms/step
>29, 431/468, d=0.308, g=4.371
2/2 [==============================] - 0s 4ms/step
>29, 432/468, d=0.222, g=2.773
2/2 [==============================] - 0s 5ms/step
>29, 433/468, d=0.253, g=2.428
2/2 [==============================] - 0s 6ms/step
>29, 434/468, d=0.150, g=1.356
2/2 [==============================] - 0s 14ms/step
>29, 435/468, d=0.298, g=1.519
2/2 [==============================] - 0s 5ms/step
>29, 436/468, d=0.223, g=2.098
2/2 [==============================] - 0s 7ms/step
>29, 437/468, d=0.214, g=1.668
2/2 [==============================] - 0s 5ms/step
>29, 438/468, d=0.221, g=2.009
2/2 [==============================] - 0s 12ms/step
>29, 439/468, d=0.244, g=2.387
2/2 [==============================] - 0s 6ms/step
>29, 440/468, d=0.258, g=3.455
2/2 [==============================] - 0s 5ms/step
>29, 441/468, d=0.282, g=2.376
2/2 [==============================] - 0s 6ms/step
>29, 442/468, d=0.161, g=2.346
2/2 [==============================] - 0s 4ms/step
>29, 443/468, d=0.255, g=2.551
2/2 [==============================] - 0s 8ms/step
>29, 444/468, d=0.302, g=5.142
2/2 [==============================] - 0s 6ms/step
>29, 445/468, d=0.335, g=6.745
2/2 [==============================] - 0s 5ms/step
>29, 446/468, d=0.393, g=3.447
2/2 [==============================] - 0s 6ms/step
>29, 447/468, d=0.285, g=2.416
2/2 [==============================] - 0s 11ms/step
>29, 448/468, d=0.376, g=1.752
2/2 [==============================] - 0s 15ms/step
>29, 449/468, d=0.294, g=2.703
2/2 [==============================] - 0s 5ms/step
>29, 450/468, d=0.234, g=3.543
2/2 [==============================] - 0s 6ms/step
>29, 451/468, d=0.244, g=3.732
2/2 [==============================] - 0s 6ms/step
>29, 452/468, d=0.228, g=2.957
2/2 [==============================] - 0s 6ms/step
```

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>29, 453/468, d=0.336, g=1.111
2/2 [==============================] - 0s 9ms/step
>29, 454/468, d=0.322, g=3.405
2/2 [==============================] - 0s 12ms/step
>29, 455/468, d=0.272, g=3.846
2/2 [==============================] - 0s 10ms/step
>29, 456/468, d=0.244, g=4.383
2/2 [==============================] - 0s 5ms/step
>29, 457/468, d=0.336, g=3.976
2/2 [==============================] - 0s 7ms/step
>29, 458/468, d=0.162, g=2.904
2/2 [==============================] - 0s 5ms/step
>29, 459/468, d=0.220, g=2.726
2/2 [==============================] - 0s 11ms/step
>29, 460/468, d=0.324, g=2.987
2/2 [==============================] - 0s 10ms/step
>29, 461/468, d=0.375, g=3.097
2/2 [==============================] - 0s 14ms/step
>29, 462/468, d=0.290, g=3.537
2/2 [==============================] - 0s 8ms/step
>29, 463/468, d=0.191, g=2.210
2/2 [==============================] - 0s 8ms/step
>29, 464/468, d=0.289, g=1.124
2/2 [==============================] - 0s 5ms/step
>29, 465/468, d=0.270, g=2.033
2/2 [==============================] - 0s 14ms/step
>29, 466/468, d=0.241, g=4.292
2/2 [==============================] - 0s 10ms/step
>29, 467/468, d=0.307, g=3.434
2/2 [==============================] - 0s 7ms/step
>29, 468/468, d=0.153, g=2.942
2/2 [==============================] - 0s 5ms/step
>30, 1/468, d=0.274, g=4.808
2/2 [==============================] - 0s 9ms/step
>30, 2/468, d=0.265, g=5.824
2/2 [==============================] - 0s 5ms/step
>30, 3/468, d=0.270, g=5.596
2/2 [==============================] - 0s 8ms/step
>30, 4/468, d=0.255, g=3.775
2/2 [==============================] - 0s 8ms/step
>30, 5/468, d=0.270, g=2.151
2/2 [==============================] - 0s 7ms/step
>30, 6/468, d=0.232, g=1.249
2/2 [==============================] - 0s 7ms/step
>30, 7/468, d=0.258, g=2.733
2/2 [==============================] - 0s 6ms/step
>30, 8/468, d=0.157, g=3.971
2/2 [==============================] - 0s 9ms/step
>30, 9/468, d=0.259, g=3.545
2/2 [==============================] - 0s 10ms/step
>30, 10/468, d=0.258, g=2.992
2/2 [==============================] - 0s 5ms/step
>30, 11/468, d=0.268, g=1.990
2/2 [==============================] - 0s 13ms/step
>30, 12/468, d=0.235, g=1.888
2/2 [==============================] - 0s 13ms/step
>30, 13/468, d=0.295, g=1.478
2/2 [==============================] - 0s 6ms/step
>30, 14/468, d=0.247, g=1.814
2/2 [==============================] - 0s 5ms/step
>30, 15/468, d=0.290, g=3.991
2/2 [==============================] - 0s 11ms/step
>30, 16/468, d=0.284, g=3.276
2/2 [==============================] - 0s 9ms/step
```

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>30, 17/468, d=0.249, g=2.563
2/2 [==============================] - 0s 5ms/step
>30, 18/468, d=0.357, g=3.605
2/2 [==============================] - 0s 5ms/step
>30, 19/468, d=0.220, g=2.539
2/2 [==============================] - 0s 8ms/step
>30, 20/468, d=0.352, g=2.460
2/2 [==============================] - 0s 8ms/step
>30, 21/468, d=0.235, g=3.388
2/2 [==============================] - 0s 5ms/step
>30, 22/468, d=0.316, g=1.195
2/2 [==============================] - 0s 5ms/step
>30, 23/468, d=0.270, g=0.904
2/2 [==============================] - 0s 5ms/step
>30, 24/468, d=0.160, g=1.651
2/2 [==============================] - 0s 5ms/step
>30, 25/468, d=0.332, g=1.316
2/2 [==============================] - 0s 6ms/step
>30, 26/468, d=0.237, g=2.387
2/2 [==============================] - 0s 5ms/step
>30, 27/468, d=0.305, g=5.166
2/2 [==============================] - 0s 9ms/step
>30, 28/468, d=0.348, g=2.141
2/2 [==============================] - 0s 5ms/step
>30, 29/468, d=0.330, g=0.978
2/2 [==============================] - 0s 6ms/step
>30, 30/468, d=0.316, g=2.734
2/2 [==============================] - 0s 5ms/step
>30, 31/468, d=0.282, g=2.501
2/2 [==============================] - 0s 15ms/step
>30, 32/468, d=0.337, g=3.365
2/2 [==============================] - 0s 7ms/step
>30, 33/468, d=0.223, g=4.037
2/2 [==============================] - 0s 9ms/step
>30, 34/468, d=0.304, g=4.553
2/2 [==============================] - 0s 7ms/step
>30, 35/468, d=0.327, g=5.886
2/2 [==============================] - 0s 4ms/step
>30, 36/468, d=0.249, g=3.890
2/2 [==============================] - 0s 8ms/step
>30, 37/468, d=0.162, g=2.849
2/2 [==============================] - 0s 4ms/step
>30, 38/468, d=0.248, g=3.128
2/2 [==============================] - 0s 7ms/step
>30, 39/468, d=0.405, g=3.460
2/2 [==============================] - 0s 5ms/step
>30, 40/468, d=0.312, g=5.014
2/2 [==============================] - 0s 7ms/step
>30, 41/468, d=0.363, g=2.383
2/2 [==============================] - 0s 7ms/step
>30, 42/468, d=0.292, g=2.917
2/2 [==============================] - 0s 9ms/step
>30, 43/468, d=0.270, g=3.041
2/2 [==============================] - 0s 5ms/step
>30, 44/468, d=0.299, g=2.274
2/2 [==============================] - 0s 19ms/step
>30, 45/468, d=0.168, g=2.124
2/2 [==============================] - 0s 14ms/step
>30, 46/468, d=0.226, g=3.164
2/2 [==============================] - 0s 7ms/step
>30, 47/468, d=0.233, g=2.711
2/2 [==============================] - 0s 6ms/step
>30, 48/468, d=0.405, g=4.104
2/2 [==============================] - 0s 4ms/step
```

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>30, 49/468, d=0.350, g=4.835
2/2 [==============================] - 0s 6ms/step
>30, 50/468, d=0.277, g=1.287
2/2 [==============================] - 0s 6ms/step
>30, 51/468, d=0.256, g=0.469
2/2 [==============================] - 0s 16ms/step
>30, 52/468, d=0.220, g=0.701
2/2 [==============================] - 0s 6ms/step
>30, 53/468, d=0.383, g=3.491
2/2 [==============================] - 0s 6ms/step
>30, 54/468, d=0.312, g=3.690
2/2 [==============================] - 0s 5ms/step
>30, 55/468, d=0.309, g=3.214
2/2 [==============================] - 0s 12ms/step
>30, 56/468, d=0.253, g=5.243
2/2 [==============================] - 0s 4ms/step
>30, 57/468, d=0.268, g=4.676
2/2 [==============================] - 0s 7ms/step
>30, 58/468, d=0.273, g=2.434
2/2 [==============================] - 0s 6ms/step
>30, 59/468, d=0.181, g=1.239
2/2 [==============================] - 0s 5ms/step
>30, 60/468, d=0.274, g=2.340
2/2 [==============================] - 0s 5ms/step
>30, 61/468, d=0.289, g=6.349
2/2 [==============================] - 0s 6ms/step
>30, 62/468, d=0.229, g=6.431
2/2 [==============================] - 0s 7ms/step
>30, 63/468, d=0.190, g=5.389
2/2 [==============================] - 0s 10ms/step
>30, 64/468, d=0.322, g=4.693
2/2 [==============================] - 0s 4ms/step
>30, 65/468, d=0.244, g=2.170
2/2 [==============================] - 0s 13ms/step
>30, 66/468, d=0.304, g=1.783
2/2 [==============================] - 0s 9ms/step
>30, 67/468, d=0.295, g=2.363
2/2 [==============================] - 0s 7ms/step
>30, 68/468, d=0.343, g=3.789
2/2 [==============================] - 0s 4ms/step
>30, 69/468, d=0.306, g=0.594
2/2 [==============================] - 0s 6ms/step
>30, 70/468, d=0.237, g=0.411
2/2 [==============================] - 0s 13ms/step
>30, 71/468, d=0.171, g=0.445
2/2 [==============================] - 0s 6ms/step
>30, 72/468, d=0.227, g=1.156
2/2 [==============================] - 0s 4ms/step
>30, 73/468, d=0.328, g=1.780
2/2 [==============================] - 0s 6ms/step
>30, 74/468, d=0.222, g=3.052
2/2 [==============================] - 0s 7ms/step
>30, 75/468, d=0.271, g=2.502
2/2 [==============================] - 0s 5ms/step
>30, 76/468, d=0.282, g=2.175
2/2 [==============================] - 0s 7ms/step
>30, 77/468, d=0.347, g=3.865
2/2 [==============================] - 0s 6ms/step
>30, 78/468, d=0.307, g=2.206
2/2 [==============================] - 0s 7ms/step
>30, 79/468, d=0.317, g=1.243
2/2 [==============================] - 0s 5ms/step
>30, 80/468, d=0.289, g=1.557
2/2 [==============================] - 0s 6ms/step
```

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>30, 81/468, d=0.420, g=6.366
2/2 [==============================] - 0s 6ms/step
>30, 82/468, d=0.257, g=4.722
2/2 [==============================] - 0s 5ms/step
>30, 83/468, d=0.339, g=4.779
2/2 [==============================] - 0s 8ms/step
>30, 84/468, d=0.313, g=3.852
2/2 [==============================] - 0s 5ms/step
>30, 85/468, d=0.205, g=3.755
2/2 [==============================] - 0s 5ms/step
>30, 86/468, d=0.199, g=3.320
2/2 [==============================] - 0s 5ms/step
>30, 87/468, d=0.373, g=2.826
2/2 [==============================] - 0s 8ms/step
>30, 88/468, d=0.165, g=1.966
2/2 [==============================] - 0s 7ms/step
>30, 89/468, d=0.308, g=1.078
2/2 [==============================] - 0s 6ms/step
>30, 90/468, d=0.328, g=2.602
2/2 [==============================] - 0s 5ms/step
>30, 91/468, d=0.306, g=3.384
2/2 [==============================] - 0s 4ms/step
>30, 92/468, d=0.218, g=3.298
2/2 [==============================] - 0s 4ms/step
>30, 93/468, d=0.245, g=2.731
2/2 [==============================] - 0s 6ms/step
>30, 94/468, d=0.271, g=4.091
2/2 [==============================] - 0s 6ms/step
>30, 95/468, d=0.219, g=4.464
2/2 [==============================] - 0s 6ms/step
>30, 96/468, d=0.275, g=1.617
2/2 [==============================] - 0s 6ms/step
>30, 97/468, d=0.232, g=1.287
2/2 [==============================] - 0s 7ms/step
>30, 98/468, d=0.309, g=1.889
2/2 [==============================] - 0s 6ms/step
>30, 99/468, d=0.202, g=2.879
2/2 [==============================] - 0s 6ms/step
>30, 100/468, d=0.322, g=1.560
2/2 [==============================] - 0s 4ms/step
>30, 101/468, d=0.253, g=2.638
2/2 [==============================] - 0s 9ms/step
>30, 102/468, d=0.276, g=3.625
2/2 [==============================] - 0s 5ms/step
>30, 103/468, d=0.242, g=2.610
2/2 [==============================] - 0s 6ms/step
>30, 104/468, d=0.223, g=1.891
2/2 [==============================] - 0s 15ms/step
>30, 105/468, d=0.301, g=1.366
2/2 [==============================] - 0s 9ms/step
>30, 106/468, d=0.208, g=2.175
2/2 [==============================] - 0s 10ms/step
>30, 107/468, d=0.347, g=2.638
2/2 [==============================] - 0s 6ms/step
>30, 108/468, d=0.259, g=3.288
2/2 [==============================] - 0s 5ms/step
>30, 109/468, d=0.242, g=4.559
2/2 [==============================] - 0s 20ms/step
>30, 110/468, d=0.318, g=1.240
2/2 [==============================] - 0s 5ms/step
>30, 111/468, d=0.264, g=1.814
2/2 [==============================] - 0s 12ms/step
>30, 112/468, d=0.389, g=4.690
2/2 [==============================] - 0s 11ms/step
```

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>30, 113/468, d=0.317, g=5.682
2/2 [==============================] - 0s 6ms/step
>30, 114/468, d=0.339, g=4.360
2/2 [==============================] - 0s 7ms/step
>30, 115/468, d=0.324, g=3.087
2/2 [==============================] - 0s 4ms/step
>30, 116/468, d=0.346, g=5.349
2/2 [==============================] - 0s 9ms/step
>30, 117/468, d=0.184, g=4.495
2/2 [==============================] - 0s 5ms/step
>30, 118/468, d=0.347, g=2.674
2/2 [==============================] - 0s 9ms/step
>30, 119/468, d=0.248, g=3.330
2/2 [==============================] - 0s 12ms/step
>30, 120/468, d=0.303, g=4.227
2/2 [==============================] - 0s 13ms/step
>30, 121/468, d=0.382, g=1.787
2/2 [==============================] - 0s 7ms/step
>30, 122/468, d=0.277, g=0.725
2/2 [==============================] - 0s 11ms/step
>30, 123/468, d=0.219, g=1.489
2/2 [==============================] - 0s 5ms/step
>30, 124/468, d=0.286, g=4.331
2/2 [==============================] - 0s 18ms/step
>30, 125/468, d=0.192, g=3.810
2/2 [==============================] - 0s 5ms/step
>30, 126/468, d=0.234, g=2.852
2/2 [==============================] - 0s 9ms/step
>30, 127/468, d=0.211, g=2.403
2/2 [==============================] - 0s 5ms/step
>30, 128/468, d=0.294, g=2.084
2/2 [==============================] - 0s 5ms/step
>30, 129/468, d=0.289, g=1.470
2/2 [==============================] - 0s 8ms/step
>30, 130/468, d=0.273, g=2.887
2/2 [==============================] - 0s 5ms/step
>30, 131/468, d=0.329, g=3.659
2/2 [==============================] - 0s 7ms/step
>30, 132/468, d=0.262, g=2.444
2/2 [==============================] - 0s 4ms/step
>30, 133/468, d=0.322, g=4.175
2/2 [==============================] - 0s 9ms/step
>30, 134/468, d=0.312, g=3.054
2/2 [==============================] - 0s 9ms/step
>30, 135/468, d=0.330, g=2.220
2/2 [==============================] - 0s 11ms/step
>30, 136/468, d=0.209, g=2.666
2/2 [==============================] - 0s 5ms/step
>30, 137/468, d=0.255, g=3.760
2/2 [==============================] - 0s 10ms/step
>30, 138/468, d=0.308, g=3.054
2/2 [==============================] - 0s 8ms/step
>30, 139/468, d=0.218, g=3.012
2/2 [==============================] - 0s 6ms/step
>30, 140/468, d=0.181, g=2.987
2/2 [==============================] - 0s 9ms/step
>30, 141/468, d=0.254, g=1.678
2/2 [==============================] - 0s 5ms/step
>30, 142/468, d=0.299, g=3.460
2/2 [==============================] - 0s 6ms/step
>30, 143/468, d=0.260, g=6.264
2/2 [==============================] - 0s 5ms/step
>30, 144/468, d=0.292, g=3.135
2/2 [==============================] - 0s 16ms/step
```

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>30, 145/468, d=0.188, g=1.415
2/2 [==============================] - 0s 12ms/step
>30, 146/468, d=0.216, g=2.127
2/2 [==============================] - 0s 7ms/step
>30, 147/468, d=0.253, g=2.634
2/2 [==============================] - 0s 7ms/step
>30, 148/468, d=0.288, g=2.419
2/2 [==============================] - 0s 13ms/step
>30, 149/468, d=0.241, g=1.875
2/2 [==============================] - 0s 11ms/step
>30, 150/468, d=0.260, g=2.297
2/2 [==============================] - 0s 5ms/step
>30, 151/468, d=0.217, g=2.289
2/2 [==============================] - 0s 7ms/step
>30, 152/468, d=0.213, g=2.470
2/2 [==============================] - 0s 8ms/step
>30, 153/468, d=0.298, g=1.776
2/2 [==============================] - 0s 4ms/step
>30, 154/468, d=0.287, g=2.725
2/2 [==============================] - 0s 6ms/step
>30, 155/468, d=0.227, g=3.497
2/2 [==============================] - 0s 5ms/step
>30, 156/468, d=0.307, g=3.610
2/2 [==============================] - 0s 11ms/step
>30, 157/468, d=0.292, g=3.175
2/2 [==============================] - 0s 10ms/step
>30, 158/468, d=0.269, g=5.067
2/2 [==============================] - 0s 4ms/step
>30, 159/468, d=0.255, g=3.475
2/2 [==============================] - 0s 10ms/step
>30, 160/468, d=0.303, g=2.263
2/2 [==============================] - 0s 7ms/step
>30, 161/468, d=0.213, g=1.842
2/2 [==============================] - 0s 4ms/step
>30, 162/468, d=0.239, g=1.916
2/2 [==============================] - 0s 10ms/step
>30, 163/468, d=0.356, g=4.008
2/2 [==============================] - 0s 5ms/step
>30, 164/468, d=0.283, g=2.260
2/2 [==============================] - 0s 8ms/step
>30, 165/468, d=0.299, g=0.908
2/2 [==============================] - 0s 8ms/step
>30, 166/468, d=0.235, g=1.070
2/2 [==============================] - 0s 8ms/step
>30, 167/468, d=0.284, g=2.570
2/2 [==============================] - 0s 6ms/step
>30, 168/468, d=0.298, g=5.723
2/2 [==============================] - 0s 11ms/step
>30, 169/468, d=0.304, g=3.148
2/2 [==============================] - 0s 8ms/step
>30, 170/468, d=0.197, g=1.240
2/2 [==============================] - 0s 6ms/step
>30, 171/468, d=0.371, g=2.192
2/2 [==============================] - 0s 5ms/step
>30, 172/468, d=0.292, g=2.939
2/2 [==============================] - 0s 18ms/step
>30, 173/468, d=0.322, g=2.900
2/2 [==============================] - 0s 10ms/step
>30, 174/468, d=0.259, g=1.735
2/2 [==============================] - 0s 9ms/step
>30, 175/468, d=0.202, g=1.290
2/2 [==============================] - 0s 5ms/step
>30, 176/468, d=0.317, g=4.057
2/2 [==============================] - 0s 7ms/step
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>30, 177/468, d=0.336, g=2.667
2/2 [==============================] - 0s 5ms/step
>30, 178/468, d=0.265, g=2.385
2/2 [==============================] - 0s 9ms/step
>30, 179/468, d=0.316, g=3.121
2/2 [==============================] - 0s 6ms/step
>30, 180/468, d=0.291, g=2.684
2/2 [==============================] - 0s 6ms/step
>30, 181/468, d=0.304, g=4.732
2/2 [==============================] - 0s 7ms/step
>30, 182/468, d=0.439, g=1.003
2/2 [==============================] - 0s 5ms/step
>30, 183/468, d=0.211, g=0.852
2/2 [==============================] - 0s 4ms/step
>30, 184/468, d=0.352, g=3.300
2/2 [==============================] - 0s 4ms/step
>30, 185/468, d=0.277, g=6.594
2/2 [==============================] - 0s 10ms/step
>30, 186/468, d=0.365, g=3.406
2/2 [==============================] - 0s 9ms/step
>30, 187/468, d=0.367, g=5.687
2/2 [==============================] - 0s 14ms/step
>30, 188/468, d=0.337, g=5.271
2/2 [==============================] - 0s 15ms/step
>30, 189/468, d=0.244, g=2.467
2/2 [==============================] - 0s 5ms/step
>30, 190/468, d=0.296, g=2.711
2/2 [==============================] - 0s 7ms/step
>30, 191/468, d=0.241, g=3.600
2/2 [==============================] - 0s 10ms/step
>30, 192/468, d=0.247, g=4.134
2/2 [==============================] - 0s 5ms/step
>30, 193/468, d=0.260, g=4.004
2/2 [==============================] - 0s 4ms/step
>30, 194/468, d=0.262, g=1.227
2/2 [==============================] - 0s 17ms/step
>30, 195/468, d=0.191, g=1.234
2/2 [==============================] - 0s 14ms/step
>30, 196/468, d=0.289, g=2.062
2/2 [==============================] - 0s 16ms/step
>30, 197/468, d=0.350, g=3.841
2/2 [==============================] - 0s 9ms/step
>30, 198/468, d=0.279, g=2.911
2/2 [==============================] - 0s 7ms/step
>30, 199/468, d=0.250, g=1.876
2/2 [==============================] - 0s 6ms/step
>30, 200/468, d=0.286, g=3.620
2/2 [==============================] - 0s 5ms/step
>30, 201/468, d=0.279, g=3.224
2/2 [==============================] - 0s 7ms/step
>30, 202/468, d=0.224, g=1.774
2/2 [==============================] - 0s 12ms/step
>30, 203/468, d=0.243, g=1.301
2/2 [==============================] - 0s 15ms/step
>30, 204/468, d=0.349, g=4.198
2/2 [==============================] - 0s 5ms/step
>30, 205/468, d=0.229, g=3.253
2/2 [==============================] - 0s 15ms/step
>30, 206/468, d=0.339, g=5.116
2/2 [==============================] - 0s 6ms/step
>30, 207/468, d=0.202, g=3.861
2/2 [==============================] - 0s 14ms/step
>30, 208/468, d=0.152, g=3.324
2/2 [==============================] - 0s 17ms/step
```

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>30, 209/468, d=0.276, g=2.202
2/2 [==============================] - 0s 8ms/step
>30, 210/468, d=0.256, g=2.297
2/2 [==============================] - 0s 8ms/step
>30, 211/468, d=0.375, g=6.020
2/2 [==============================] - 0s 9ms/step
>30, 212/468, d=0.330, g=3.496
2/2 [==============================] - 0s 7ms/step
>30, 213/468, d=0.325, g=3.534
2/2 [==============================] - 0s 5ms/step
>30, 214/468, d=0.277, g=3.098
2/2 [==============================] - 0s 10ms/step
>30, 215/468, d=0.245, g=4.057
2/2 [==============================] - 0s 6ms/step
>30, 216/468, d=0.167, g=3.050
2/2 [==============================] - 0s 5ms/step
>30, 217/468, d=0.339, g=1.209
2/2 [==============================] - 0s 15ms/step
>30, 218/468, d=0.286, g=1.065
2/2 [==============================] - 0s 10ms/step
>30, 219/468, d=0.340, g=1.967
2/2 [==============================] - 0s 6ms/step
>30, 220/468, d=0.247, g=1.854
2/2 [==============================] - 0s 9ms/step
>30, 221/468, d=0.280, g=2.306
2/2 [==============================] - 0s 8ms/step
>30, 222/468, d=0.197, g=2.250
2/2 [==============================] - 0s 7ms/step
>30, 223/468, d=0.267, g=5.902
2/2 [==============================] - 0s 16ms/step
>30, 224/468, d=0.262, g=4.057
2/2 [==============================] - 0s 10ms/step
>30, 225/468, d=0.269, g=2.114
2/2 [==============================] - 0s 4ms/step
>30, 226/468, d=0.261, g=1.771
2/2 [==============================] - 0s 6ms/step
>30, 227/468, d=0.183, g=2.670
2/2 [==============================] - 0s 4ms/step
>30, 228/468, d=0.241, g=3.957
2/2 [==============================] - 0s 5ms/step
>30, 229/468, d=0.341, g=2.673
2/2 [==============================] - 0s 11ms/step
>30, 230/468, d=0.290, g=1.340
2/2 [==============================] - 0s 8ms/step
>30, 231/468, d=0.268, g=2.952
2/2 [==============================] - 0s 11ms/step
>30, 232/468, d=0.258, g=2.052
2/2 [==============================] - 0s 13ms/step
>30, 233/468, d=0.270, g=2.045
2/2 [==============================] - 0s 9ms/step
>30, 234/468, d=0.279, g=2.444
2/2 [==============================] - 0s 11ms/step
>30, 235/468, d=0.194, g=1.987
2/2 [==============================] - 0s 9ms/step
>30, 236/468, d=0.361, g=2.498
2/2 [==============================] - 0s 5ms/step
>30, 237/468, d=0.219, g=2.587
2/2 [==============================] - 0s 11ms/step
>30, 238/468, d=0.282, g=3.410
2/2 [==============================] - 0s 7ms/step
>30, 239/468, d=0.399, g=1.233
2/2 [==============================] - 0s 5ms/step
>30, 240/468, d=0.463, g=1.968
2/2 [==============================] - 0s 8ms/step
```

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>30, 241/468, d=0.373, g=4.024
2/2 [==============================] - 0s 5ms/step
>30, 242/468, d=0.196, g=4.390
2/2 [==============================] - 0s 6ms/step
>30, 243/468, d=0.282, g=2.527
2/2 [==============================] - 0s 5ms/step
>30, 244/468, d=0.228, g=1.776
2/2 [==============================] - 0s 5ms/step
>30, 245/468, d=0.277, g=2.274
2/2 [==============================] - 0s 5ms/step
>30, 246/468, d=0.272, g=3.255
2/2 [==============================] - 0s 8ms/step
>30, 247/468, d=0.332, g=4.194
2/2 [==============================] - 0s 5ms/step
>30, 248/468, d=0.281, g=3.895
2/2 [==============================] - 0s 6ms/step
>30, 249/468, d=0.229, g=2.787
2/2 [==============================] - 0s 7ms/step
>30, 250/468, d=0.292, g=3.399
2/2 [==============================] - 0s 4ms/step
>30, 251/468, d=0.274, g=2.507
2/2 [==============================] - 0s 14ms/step
>30, 252/468, d=0.328, g=5.246
2/2 [==============================] - 0s 4ms/step
>30, 253/468, d=0.291, g=2.405
2/2 [==============================] - 0s 6ms/step
>30, 254/468, d=0.220, g=1.197
2/2 [==============================] - 0s 14ms/step
>30, 255/468, d=0.271, g=2.670
2/2 [==============================] - 0s 6ms/step
>30, 256/468, d=0.331, g=2.859
2/2 [==============================] - 0s 9ms/step
>30, 257/468, d=0.239, g=2.376
2/2 [==============================] - 0s 11ms/step
>30, 258/468, d=0.249, g=2.236
2/2 [==============================] - 0s 14ms/step
>30, 259/468, d=0.379, g=3.830
2/2 [==============================] - 0s 14ms/step
>30, 260/468, d=0.290, g=2.516
2/2 [==============================] - 0s 7ms/step
>30, 261/468, d=0.284, g=0.803
2/2 [==============================] - 0s 5ms/step
>30, 262/468, d=0.336, g=3.132
2/2 [==============================] - 0s 4ms/step
>30, 263/468, d=0.329, g=5.334
2/2 [==============================] - 0s 14ms/step
>30, 264/468, d=0.156, g=4.288
2/2 [==============================] - 0s 7ms/step
>30, 265/468, d=0.249, g=3.548
2/2 [==============================] - 0s 9ms/step
>30, 266/468, d=0.226, g=3.517
2/2 [==============================] - 0s 6ms/step
>30, 267/468, d=0.246, g=2.615
2/2 [==============================] - 0s 13ms/step
>30, 268/468, d=0.226, g=2.483
2/2 [==============================] - 0s 6ms/step
>30, 269/468, d=0.200, g=4.007
2/2 [==============================] - 0s 7ms/step
>30, 270/468, d=0.307, g=1.405
2/2 [==============================] - 0s 6ms/step
>30, 271/468, d=0.235, g=1.141
2/2 [==============================] - 0s 18ms/step
>30, 272/468, d=0.280, g=3.392
2/2 [==============================] - 0s 6ms/step
```

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>30, 273/468, d=0.308, g=3.657
2/2 [==============================] - 0s 13ms/step
>30, 274/468, d=0.282, g=1.641
2/2 [==============================] - 0s 4ms/step
>30, 275/468, d=0.216, g=1.096
2/2 [==============================] - 0s 7ms/step
>30, 276/468, d=0.251, g=1.138
2/2 [==============================] - 0s 5ms/step
>30, 277/468, d=0.227, g=0.882
2/2 [==============================] - 0s 6ms/step
>30, 278/468, d=0.282, g=2.750
2/2 [==============================] - 0s 6ms/step
>30, 279/468, d=0.209, g=4.346
2/2 [==============================] - 0s 9ms/step
>30, 280/468, d=0.283, g=4.047
2/2 [==============================] - 0s 7ms/step
>30, 281/468, d=0.313, g=3.517
2/2 [==============================] - 0s 14ms/step
>30, 282/468, d=0.231, g=4.273
2/2 [==============================] - 0s 6ms/step
>30, 283/468, d=0.234, g=2.151
2/2 [==============================] - 0s 12ms/step
>30, 284/468, d=0.322, g=2.697
2/2 [==============================] - 0s 6ms/step
>30, 285/468, d=0.292, g=3.591
2/2 [==============================] - 0s 7ms/step
>30, 286/468, d=0.306, g=5.305
2/2 [==============================] - 0s 4ms/step
>30, 287/468, d=0.282, g=4.742
2/2 [==============================] - 0s 6ms/step
>30, 288/468, d=0.398, g=1.155
2/2 [==============================] - 0s 7ms/step
>30, 289/468, d=0.226, g=0.411
2/2 [==============================] - 0s 5ms/step
>30, 290/468, d=0.343, g=0.326
2/2 [==============================] - 0s 14ms/step
>30, 291/468, d=0.323, g=1.413
2/2 [==============================] - 0s 7ms/step
>30, 292/468, d=0.302, g=4.287
2/2 [==============================] - 0s 7ms/step
>30, 293/468, d=0.306, g=6.021
2/2 [==============================] - 0s 6ms/step
>30, 294/468, d=0.255, g=6.062
2/2 [==============================] - 0s 6ms/step
>30, 295/468, d=0.213, g=5.153
2/2 [==============================] - 0s 6ms/step
>30, 296/468, d=0.222, g=2.689
2/2 [==============================] - 0s 5ms/step
>30, 297/468, d=0.259, g=1.127
2/2 [==============================] - 0s 7ms/step
>30, 298/468, d=0.190, g=1.010
2/2 [==============================] - 0s 9ms/step
>30, 299/468, d=0.380, g=3.061
2/2 [==============================] - 0s 6ms/step
>30, 300/468, d=0.265, g=5.552
2/2 [==============================] - 0s 5ms/step
>30, 301/468, d=0.271, g=7.190
2/2 [==============================] - 0s 10ms/step
>30, 302/468, d=0.507, g=1.696
2/2 [==============================] - 0s 6ms/step
>30, 303/468, d=0.264, g=1.837
2/2 [==============================] - 0s 5ms/step
>30, 304/468, d=0.197, g=2.837
2/2 [==============================] - 0s 6ms/step
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>30, 305/468, d=0.264, g=3.775
2/2 [==============================] - 0s 5ms/step
>30, 306/468, d=0.323, g=1.982
2/2 [==============================] - 0s 9ms/step
>30, 307/468, d=0.280, g=2.415
2/2 [==============================] - 0s 6ms/step
>30, 308/468, d=0.255, g=2.415
2/2 [==============================] - 0s 12ms/step
>30, 309/468, d=0.393, g=4.576
2/2 [==============================] - 0s 8ms/step
>30, 310/468, d=0.228, g=5.675
2/2 [==============================] - 0s 5ms/step
>30, 311/468, d=0.311, g=2.575
2/2 [==============================] - 0s 18ms/step
>30, 312/468, d=0.256, g=1.250
2/2 [==============================] - 0s 6ms/step
>30, 313/468, d=0.241, g=3.149
2/2 [==============================] - 0s 6ms/step
>30, 314/468, d=0.244, g=4.703
2/2 [==============================] - 0s 5ms/step
>30, 315/468, d=0.238, g=2.829
2/2 [==============================] - 0s 5ms/step
>30, 316/468, d=0.235, g=2.853
2/2 [==============================] - 0s 5ms/step
>30, 317/468, d=0.375, g=4.517
2/2 [==============================] - 0s 5ms/step
>30, 318/468, d=0.271, g=6.227
2/2 [==============================] - 0s 7ms/step
>30, 319/468, d=0.386, g=3.332
2/2 [==============================] - 0s 5ms/step
>30, 320/468, d=0.204, g=2.338
2/2 [==============================] - 0s 5ms/step
>30, 321/468, d=0.340, g=3.506
2/2 [==============================] - 0s 6ms/step
>30, 322/468, d=0.318, g=4.911
2/2 [==============================] - 0s 5ms/step
>30, 323/468, d=0.298, g=4.839
2/2 [==============================] - 0s 6ms/step
>30, 324/468, d=0.215, g=3.314
2/2 [==============================] - 0s 5ms/step
>30, 325/468, d=0.374, g=1.189
2/2 [==============================] - 0s 14ms/step
>30, 326/468, d=0.255, g=1.503
2/2 [==============================] - 0s 5ms/step
>30, 327/468, d=0.181, g=2.535
2/2 [==============================] - 0s 6ms/step
>30, 328/468, d=0.181, g=2.318
2/2 [==============================] - 0s 6ms/step
>30, 329/468, d=0.274, g=4.043
2/2 [==============================] - 0s 9ms/step
>30, 330/468, d=0.401, g=2.882
2/2 [==============================] - 0s 10ms/step
>30, 331/468, d=0.285, g=2.704
2/2 [==============================] - 0s 13ms/step
>30, 332/468, d=0.264, g=1.749
2/2 [==============================] - 0s 6ms/step
>30, 333/468, d=0.204, g=1.688
2/2 [==============================] - 0s 12ms/step
>30, 334/468, d=0.343, g=1.352
2/2 [==============================] - 0s 5ms/step
>30, 335/468, d=0.232, g=3.608
2/2 [==============================] - 0s 6ms/step
>30, 336/468, d=0.228, g=6.202
2/2 [==============================] - 0s 14ms/step
```

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>30, 337/468, d=0.433, g=2.178
2/2 [==============================] - 0s 14ms/step
>30, 338/468, d=0.204, g=1.276
2/2 [==============================] - 0s 5ms/step
>30, 339/468, d=0.309, g=3.010
2/2 [==============================] - 0s 8ms/step
>30, 340/468, d=0.228, g=2.438
2/2 [==============================] - 0s 6ms/step
>30, 341/468, d=0.309, g=1.189
2/2 [==============================] - 0s 4ms/step
>30, 342/468, d=0.270, g=3.381
2/2 [==============================] - 0s 8ms/step
>30, 343/468, d=0.191, g=3.797
2/2 [==============================] - 0s 7ms/step
>30, 344/468, d=0.275, g=2.722
2/2 [==============================] - 0s 5ms/step
>30, 345/468, d=0.248, g=2.282
2/2 [==============================] - 0s 5ms/step
>30, 346/468, d=0.218, g=2.654
2/2 [==============================] - 0s 9ms/step
>30, 347/468, d=0.259, g=3.633
2/2 [==============================] - 0s 8ms/step
>30, 348/468, d=0.187, g=4.429
2/2 [==============================] - 0s 6ms/step
>30, 349/468, d=0.283, g=1.594
2/2 [==============================] - 0s 5ms/step
>30, 350/468, d=0.259, g=2.418
2/2 [==============================] - 0s 5ms/step
>30, 351/468, d=0.275, g=4.810
2/2 [==============================] - 0s 5ms/step
>30, 352/468, d=0.400, g=5.249
2/2 [==============================] - 0s 7ms/step
>30, 353/468, d=0.177, g=4.031
2/2 [==============================] - 0s 10ms/step
>30, 354/468, d=0.189, g=3.302
2/2 [==============================] - 0s 6ms/step
>30, 355/468, d=0.297, g=3.690
2/2 [==============================] - 0s 6ms/step
>30, 356/468, d=0.218, g=1.311
2/2 [==============================] - 0s 6ms/step
>30, 357/468, d=0.229, g=2.174
2/2 [==============================] - 0s 10ms/step
>30, 358/468, d=0.184, g=2.619
2/2 [==============================] - 0s 7ms/step
>30, 359/468, d=0.265, g=1.756
2/2 [==============================] - 0s 4ms/step
>30, 360/468, d=0.318, g=1.937
2/2 [==============================] - 0s 11ms/step
>30, 361/468, d=0.302, g=3.415
2/2 [==============================] - 0s 10ms/step
>30, 362/468, d=0.174, g=3.227
2/2 [==============================] - 0s 9ms/step
>30, 363/468, d=0.285, g=2.771
2/2 [==============================] - 0s 6ms/step
>30, 364/468, d=0.267, g=2.903
2/2 [==============================] - 0s 7ms/step
>30, 365/468, d=0.240, g=4.435
2/2 [==============================] - 0s 7ms/step
>30, 366/468, d=0.347, g=0.637
2/2 [==============================] - 0s 14ms/step
>30, 367/468, d=0.218, g=0.447
2/2 [==============================] - 0s 13ms/step
>30, 368/468, d=0.275, g=1.034
2/2 [==============================] - 0s 5ms/step
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>30, 369/468, d=0.137, g=2.340
2/2 [==============================] - 0s 8ms/step
>30, 370/468, d=0.193, g=2.738
2/2 [==============================] - 0s 15ms/step
>30, 371/468, d=0.231, g=3.797
2/2 [==============================] - 0s 5ms/step
>30, 372/468, d=0.283, g=2.876
2/2 [==============================] - 0s 4ms/step
>30, 373/468, d=0.213, g=2.410
2/2 [==============================] - 0s 7ms/step
>30, 374/468, d=0.281, g=1.705
2/2 [==============================] - 0s 7ms/step
>30, 375/468, d=0.276, g=1.538
2/2 [==============================] - 0s 7ms/step
>30, 376/468, d=0.307, g=2.434
2/2 [==============================] - 0s 12ms/step
>30, 377/468, d=0.249, g=3.933
2/2 [==============================] - 0s 6ms/step
>30, 378/468, d=0.293, g=3.779
2/2 [==============================] - 0s 5ms/step
>30, 379/468, d=0.251, g=3.024
2/2 [==============================] - 0s 9ms/step
>30, 380/468, d=0.353, g=4.399
2/2 [==============================] - 0s 4ms/step
>30, 381/468, d=0.261, g=2.810
2/2 [==============================] - 0s 15ms/step
>30, 382/468, d=0.252, g=3.537
2/2 [==============================] - 0s 10ms/step
>30, 383/468, d=0.286, g=3.312
2/2 [==============================] - 0s 7ms/step
>30, 384/468, d=0.195, g=3.265
2/2 [==============================] - 0s 7ms/step
>30, 385/468, d=0.369, g=6.405
2/2 [==============================] - 0s 12ms/step
>30, 386/468, d=0.245, g=4.208
2/2 [==============================] - 0s 8ms/step
>30, 387/468, d=0.273, g=1.993
2/2 [==============================] - 0s 5ms/step
>30, 388/468, d=0.153, g=1.227
2/2 [==============================] - 0s 5ms/step
>30, 389/468, d=0.243, g=1.862
2/2 [==============================] - 0s 15ms/step
>30, 390/468, d=0.174, g=3.106
2/2 [==============================] - 0s 11ms/step
>30, 391/468, d=0.235, g=2.115
2/2 [==============================] - 0s 6ms/step
>30, 392/468, d=0.361, g=6.136
2/2 [==============================] - 0s 7ms/step
>30, 393/468, d=0.317, g=3.556
2/2 [==============================] - 0s 5ms/step
>30, 394/468, d=0.188, g=1.510
2/2 [==============================] - 0s 5ms/step
>30, 395/468, d=0.177, g=1.329
2/2 [==============================] - 0s 5ms/step
>30, 396/468, d=0.254, g=2.900
2/2 [==============================] - 0s 8ms/step
>30, 397/468, d=0.272, g=3.444
2/2 [==============================] - 0s 4ms/step
>30, 398/468, d=0.322, g=2.445
2/2 [==============================] - 0s 5ms/step
>30, 399/468, d=0.305, g=2.979
2/2 [==============================] - 0s 7ms/step
>30, 400/468, d=0.308, g=3.012
2/2 [==============================] - 0s 16ms/step
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>30, 401/468, d=0.254, g=1.606
2/2 [==============================] - 0s 5ms/step
>30, 402/468, d=0.256, g=1.308
2/2 [==============================] - 0s 6ms/step
>30, 403/468, d=0.255, g=1.605
2/2 [==============================] - 0s 7ms/step
>30, 404/468, d=0.222, g=2.061
2/2 [==============================] - 0s 5ms/step
>30, 405/468, d=0.196, g=2.804
2/2 [==============================] - 0s 5ms/step
>30, 406/468, d=0.254, g=3.411
2/2 [==============================] - 0s 5ms/step
>30, 407/468, d=0.221, g=4.625
2/2 [==============================] - 0s 4ms/step
>30, 408/468, d=0.333, g=3.815
2/2 [==============================] - 0s 7ms/step
>30, 409/468, d=0.287, g=3.421
2/2 [==============================] - 0s 13ms/step
>30, 410/468, d=0.248, g=4.322
2/2 [==============================] - 0s 4ms/step
>30, 411/468, d=0.259, g=4.358
2/2 [==============================] - 0s 7ms/step
>30, 412/468, d=0.230, g=3.065
2/2 [==============================] - 0s 10ms/step
>30, 413/468, d=0.263, g=1.306
2/2 [==============================] - 0s 11ms/step
>30, 414/468, d=0.323, g=3.903
2/2 [==============================] - 0s 8ms/step
>30, 415/468, d=0.224, g=6.272
2/2 [==============================] - 0s 5ms/step
>30, 416/468, d=0.341, g=4.627
2/2 [==============================] - 0s 10ms/step
>30, 417/468, d=0.311, g=2.167
2/2 [==============================] - 0s 5ms/step
>30, 418/468, d=0.201, g=1.893
2/2 [==============================] - 0s 4ms/step
>30, 419/468, d=0.306, g=2.423
2/2 [==============================] - 0s 6ms/step
>30, 420/468, d=0.298, g=4.399
2/2 [==============================] - 0s 6ms/step
>30, 421/468, d=0.258, g=3.555
2/2 [==============================] - 0s 10ms/step
>30, 422/468, d=0.243, g=2.347
2/2 [==============================] - 0s 11ms/step
>30, 423/468, d=0.349, g=2.305
2/2 [==============================] - 0s 7ms/step
>30, 424/468, d=0.115, g=2.216
2/2 [==============================] - 0s 5ms/step
>30, 425/468, d=0.323, g=1.995
2/2 [==============================] - 0s 11ms/step
>30, 426/468, d=0.302, g=4.485
2/2 [==============================] - 0s 6ms/step
>30, 427/468, d=0.234, g=2.776
2/2 [==============================] - 0s 7ms/step
>30, 428/468, d=0.406, g=1.588
2/2 [==============================] - 0s 4ms/step
>30, 429/468, d=0.276, g=1.768
2/2 [==============================] - 0s 10ms/step
>30, 430/468, d=0.326, g=2.947
2/2 [==============================] - 0s 15ms/step
>30, 431/468, d=0.332, g=1.652
2/2 [==============================] - 0s 11ms/step
>30, 432/468, d=0.207, g=1.676
2/2 [==============================] - 0s 5ms/step
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>30, 433/468, d=0.290, g=2.040
2/2 [==============================] - 0s 6ms/step
>30, 434/468, d=0.229, g=1.789
2/2 [==============================] - 0s 8ms/step
>30, 435/468, d=0.371, g=0.636
2/2 [==============================] - 0s 9ms/step
>30, 436/468, d=0.236, g=1.809
2/2 [==============================] - 0s 10ms/step
>30, 437/468, d=0.248, g=5.417
2/2 [==============================] - 0s 8ms/step
>30, 438/468, d=0.265, g=3.868
2/2 [==============================] - 0s 4ms/step
>30, 439/468, d=0.279, g=0.588
2/2 [==============================] - 0s 5ms/step
>30, 440/468, d=0.205, g=1.148
2/2 [==============================] - 0s 5ms/step
>30, 441/468, d=0.212, g=1.535
2/2 [==============================] - 0s 9ms/step
>30, 442/468, d=0.345, g=4.443
2/2 [==============================] - 0s 11ms/step
>30, 443/468, d=0.183, g=3.687
2/2 [==============================] - 0s 7ms/step
>30, 444/468, d=0.268, g=2.196
2/2 [==============================] - 0s 7ms/step
>30, 445/468, d=0.285, g=3.760
2/2 [==============================] - 0s 5ms/step
>30, 446/468, d=0.237, g=4.743
2/2 [==============================] - 0s 5ms/step
>30, 447/468, d=0.212, g=2.583
2/2 [==============================] - 0s 14ms/step
>30, 448/468, d=0.197, g=1.803
2/2 [==============================] - 0s 6ms/step
>30, 449/468, d=0.308, g=3.474
2/2 [==============================] - 0s 10ms/step
>30, 450/468, d=0.270, g=5.281
2/2 [==============================] - 0s 11ms/step
>30, 451/468, d=0.309, g=3.156
2/2 [==============================] - 0s 6ms/step
>30, 452/468, d=0.294, g=2.764
2/2 [==============================] - 0s 5ms/step
>30, 453/468, d=0.425, g=4.623
2/2 [==============================] - 0s 5ms/step
>30, 454/468, d=0.222, g=3.217
2/2 [==============================] - 0s 13ms/step
>30, 455/468, d=0.198, g=2.781
2/2 [==============================] - 0s 4ms/step
>30, 456/468, d=0.262, g=2.706
2/2 [==============================] - 0s 8ms/step
>30, 457/468, d=0.275, g=3.042
2/2 [==============================] - 0s 12ms/step
>30, 458/468, d=0.355, g=2.587
2/2 [==============================] - 0s 11ms/step
>30, 459/468, d=0.257, g=1.830
2/2 [==============================] - 0s 6ms/step
>30, 460/468, d=0.283, g=1.127
2/2 [==============================] - 0s 9ms/step
>30, 461/468, d=0.298, g=1.226
2/2 [==============================] - 0s 4ms/step
>30, 462/468, d=0.368, g=1.812
2/2 [==============================] - 0s 13ms/step
>30, 463/468, d=0.413, g=4.594
2/2 [==============================] - 0s 6ms/step
>30, 464/468, d=0.225, g=3.675
2/2 [==============================] - 0s 8ms/step
```

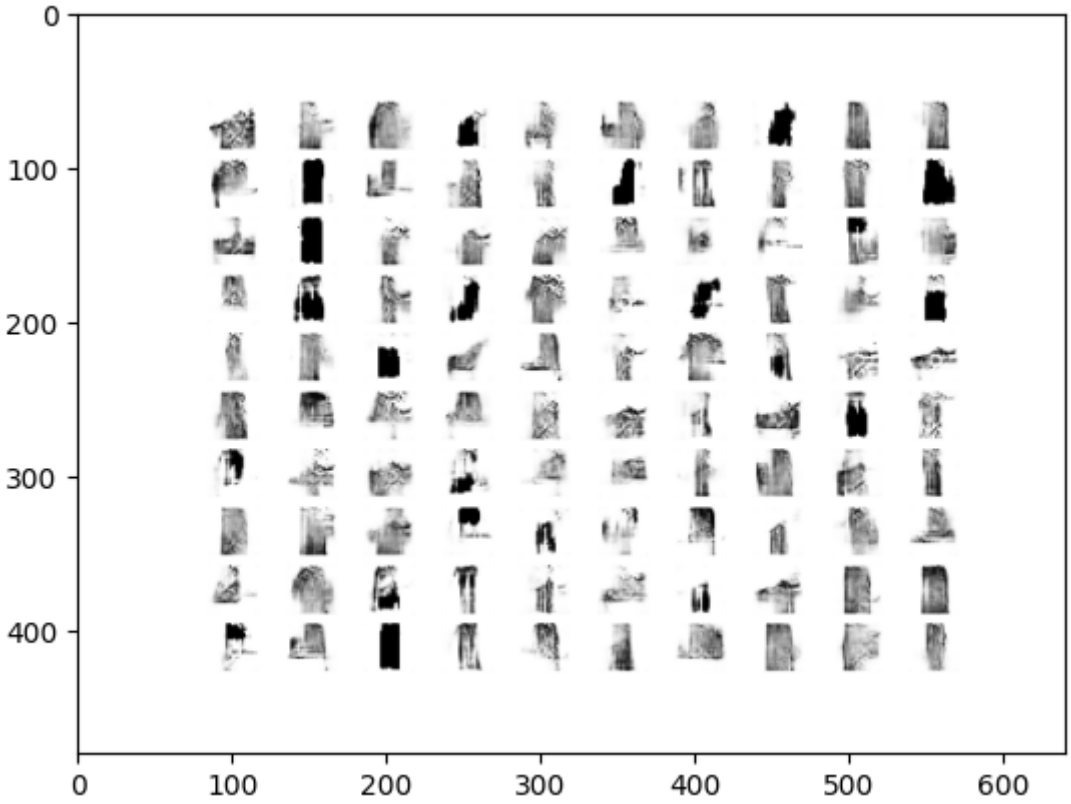
```
>30, 465/468, d=0.321, g=1.142
2/2 [==============================] - 0s 4ms/step
>30, 466/468, d=0.214, g=1.320
2/2 [==============================] - 0s 5ms/step
>30, 467/468, d=0.271, g=2.010
2/2 [==============================] - 0s 12ms/step
>30, 468/468, d=0.318, g=4.189
4/4 [==============================] - 0s 4ms/step
>Accuracy real: 48%, fake: 100%
```

```
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.
```

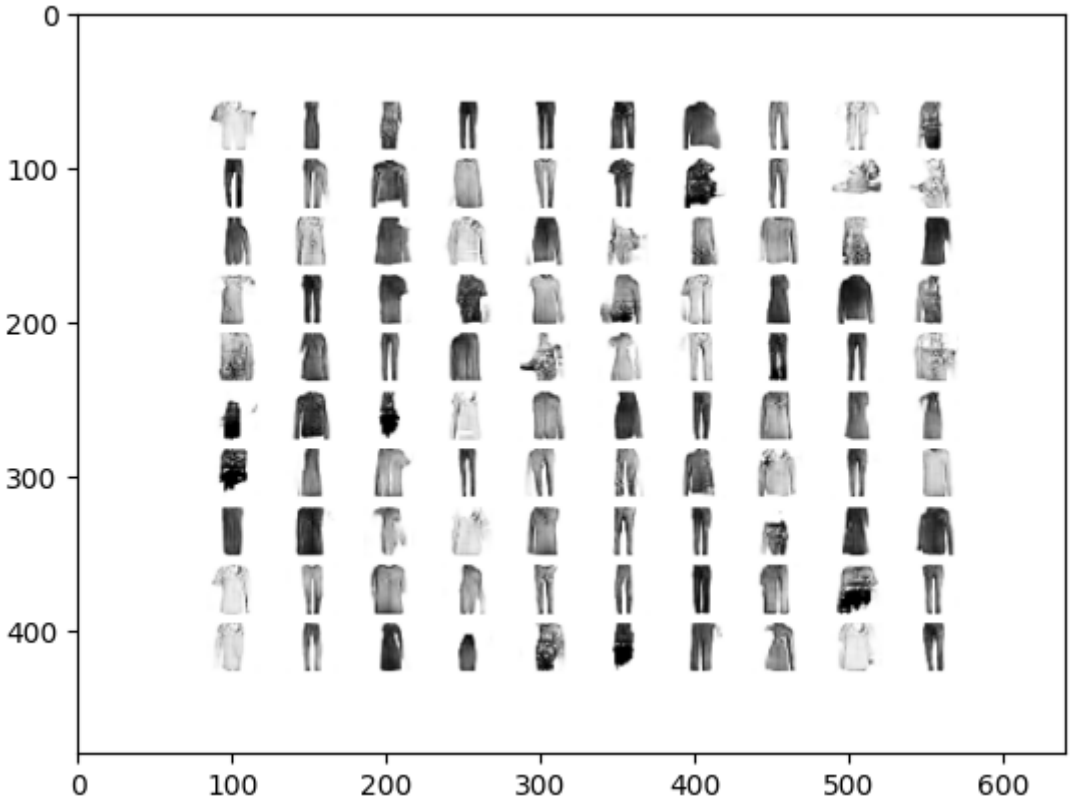
In [26]:
```
%ls
```

```
generated_plot_e001.png  generated_plot_e030.png  generator_model_020.h5
generated_plot_e010.png  generator_model_001.h5   generator_model_030.h5
generated_plot_e020.png  generator_model_010.h5   sample_data/
```

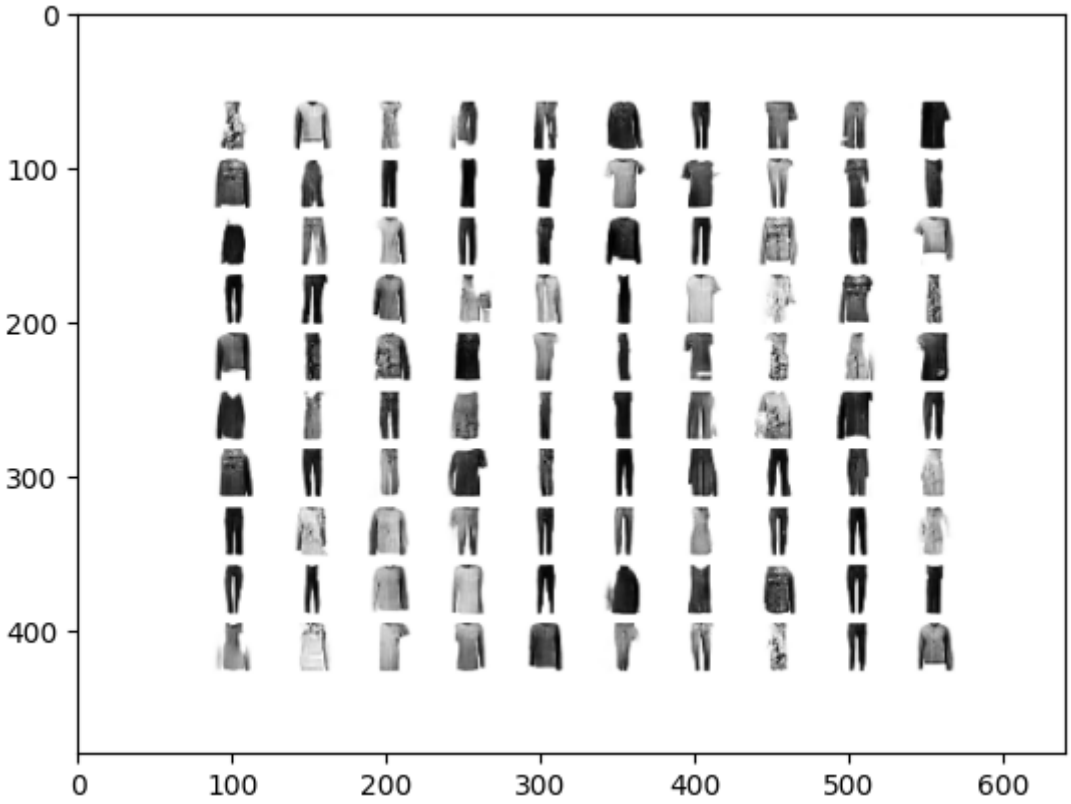
In [27]:
```
plt.imshow(plt.imread('generated_plot_e001.png'))
plt.show()
```



In [28]:
```
plt.imshow(plt.imread('generated_plot_e010.png'))
plt.show()
```



In [29]:
```
plt.imshow(plt.imread('generated_plot_e030.png'))
plt.show()
```



In [ ]:
```
plt.imshow(plt.imread('generated_plot_e100.png'))
plt.show()
```

Nada mal, ¿verdad? Pero... ¿y si quisiéramos generar solo zapatos? ¿O solo camisetas?

Para ello, necesitamos transformar esta GAN en una GAN condicional o CGAN.

Podéis guiaros con este ejemplo: https://keras.io/examples/generative/conditional_gan/.

In [30]:
```
from google.colab import drive
drive.mount('/content/drive')
```

```
Mounted at /content/drive
```

In [50]:
```
import os
import glob
import shutil # https://stackoverflow.com/questions/123198/how-to-copy-files
```

In [48]:
```
for src in glob.glob("/content/*.*"):
    dst = os.path.join(
        "/content/drive/MyDrive/ASIGNATURAS/VIU/06MIAR_Aprendizaje_no_Supervisado/T
        os.path.basename(src))
    shutil.copyfile(src, dst)
```

In [49]:
```
%ls /content/drive/MyDrive/ASIGNATURAS/VIU/06MIAR_Aprendizaje_no_Supervisado/Trabaj
```

```
generated_plot_e001.png  generated_plot_e020.png  generator_model_001.h5  generato
r_model_020.h5
generated_plot_e010.png  generated_plot_e030.png  generator_model_010.h5  generato
r_model_030.h5
```

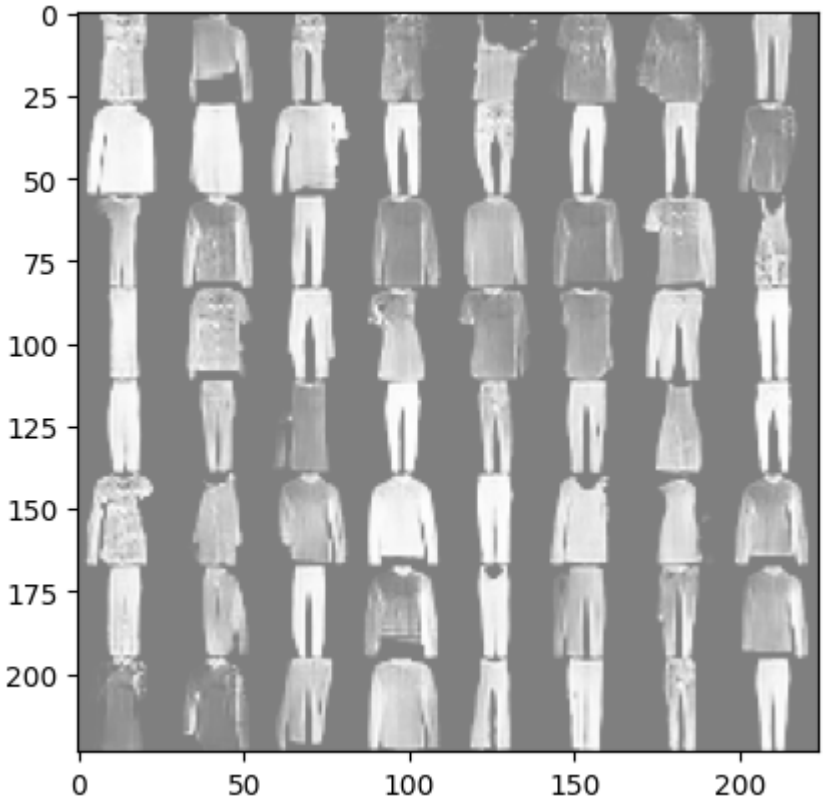
In [51]:
```
def plot_results(imgs, n_rows, n_cols, epoch, h=192, w=192):
    imgs = (imgs + 1) / 2.0
    output_img = np.zeros((n_rows*h, n_cols*w, 3), np.float)
    k = 0
    for i in range(n_rows):
        for j in range(n_cols):
            output_img[h*i:h*(i+1), w*j:w*(j+1), :] = imgs[k]
            k += 1
    plt.imshow(np.asarray(output_img*255., np.uint8))
```

In [75]:
```
n_samples = 64
```

In [76]:
```
# generamos imágenes diferentes con un código latente distinto
x_input = generate_latent_points(latent_dim, n_samples)

# g_model = define_generator(latent_dim)
# _last_checkpoint = sorted(os.listdir("./checkpoints/"))[-1]
# g_model.load_weights(os.path.join("./checkpoints/",_last_checkpoint))
X = g_model.predict(x_input)
plot_results(X, 8, 8, 200, h=28, w=28)
```

```
2/2 [==============================] - 0s 8ms/step
<ipython-input-51-cbfdd34118e8>:3: DeprecationWarning: `np.float` is a deprecated
alias for the builtin `float`. To silence this warning, use `float` by itself. Doi
ng this will not modify any behavior and is safe. If you specifically wanted the n
umpy scalar type, use `np.float64` here.
Deprecated in NumPy 1.20; for more details and guidance: https://numpy.org/devdoc
s/release/1.20.0-notes.html#deprecations
  output_img = np.zeros((n_rows*h, n_cols*w, 3), np.float)
```



In [78]:
```
plt.imshow(X[17,:,:,:], cmap="gray")
```

Out[78]:
```
<matplotlib.image.AxesImage at 0x78af48e4bdc0>
```