Untitled

November 20, 2023

[48]:
```
import numpy as np
import cv2
import matplotlib.pyplot as plt
import IPython.display as ipd
from PIL import Image
from tensorflow.keras.preprocessing import image
from tensorflow import keras
import time

from sklearn.metrics import accuracy_score, confusion_matrix,␣
 ↪classification_report
```

[31]:
```
model_eye = keras.models.load_model("eye_detection.h5")
model_yawn = keras.models.load_model("yawn_detection1.h5")
```

[50]:
```
video_path = "10fps_laura.mp4"
output_video_path="output.mp4"
ipd.Video(video_path, width=700)
```

[50]:
```
<IPython.core.display.Video object>
```

[51]:
```
#capturing frames
cap = cv2.VideoCapture(video_path)
num_frames=cap.get(cv2.CAP_PROP_FRAME_COUNT)
num_frames
```

[51]:
```
1891.0
```

[52]:
```
ret, img = cap.read()
print(f'Returned {ret} and img of shape {img.shape}')
```

```
Returned True and img of shape (720, 1280, 3)
```

[53]:
```
#code for detecting eyes region from face
face_cascade = cv2.CascadeClassifier('haarcascade_frontalface_default.xml')
eye_cascade = cv2.CascadeClassifier('haarcascade_eye.xml')
```

[56]:
```
yawn_count = 0
head_rotation_count = 0
closed_eyes_count = 0
concentration_levels = {0: "Low Concentration", 1: "Medium Concentration", 2:␣
↪"High Concentration"}
```

[57]:
```
while cap.isOpened():
    ret, img = cap.read()

    #check if the video capture was successful
    if not ret:
        print("Error: Could not read frame")
        break

    #if the frame is not empty
    if img is None:
        print("Error: Empty frame")
        break

    #resize the frame to (256, 256) and convert to grayscale
    resized_frame = cv2.resize(cv2.cvtColor(img, cv2.COLOR_BGR2GRAY), (256,␣
↪256))

    #recognition of face and eye
    for (x, y, w, h) in faces:
        #draw a rectangle around the face
        cv2.rectangle(img, (x, y), (x+w, y+h), (255, 0, 0), 2)

        #get the region for eye detection within the detected face
        roi_gray = gray[y:y+h, x:x+w]
        eyes = eye_cascade.detectMultiScale(roi_gray)
        for (ex, ey, ew, eh) in eyes:
            #draw a rectangle around the eyes
            cv2.rectangle(img, (x + ex, y + ey), (x + ex + ew, y + ey + eh),␣
↪(0, 255, 0), 2)

        #get the region for mouth detection within the detected face
        roi_gray_mouth = gray[y:y+h, x:x+w]
        mouths = mouth_cascade.detectMultiScale(roi_gray_mouth)
        for (mx, my, mw, mh) in mouths:
            # Draw a rectangle around the mouth (within the face region)
            cv2.rectangle(img, (x + mx, y + my), (x + mx + mw, y + my + mh),␣
↪(0, 0, 255), 2)

    #eye detection
    if len(eyes) > 0:q
        # Resize the eyes region to (256, 256) and add an additional dimension
```

```
        resized_eyes = np.expand_dims(cv2.resize(roi_gray, (256, 256)), axis=-1)
        eye_pred = np.argmax(model_eye.predict(np.expand_dims(resized_eyes,␣
↪axis=0)))
    else:
        eye_pred = -1
        cv2.putText(img, "Head rotation: Detected", (10, 90), cv2.
↪FONT_HERSHEY_SIMPLEX, 0.7, (255, 255, 255), 2)

    #yawn detection
    yawn_pred = np.argmax(model_yawn.predict(resized_frame.reshape(1, 256, 256,␣
↪1)))

    #running the models
    if eye_pred == 0:
        cv2.putText(img, "Eyes: Closed", (10, 30), cv2.FONT_HERSHEY_SIMPLEX, 0.
↪7, (255, 255, 255), 2)
    else:
        cv2.putText(img, "Eyes: Open", (10, 30), cv2.FONT_HERSHEY_SIMPLEX, 0.7,␣
↪(255, 255, 255), 2)

    if yawn_pred == 0:
        cv2.putText(img, "Yawn: Detected", (10, 60), cv2.FONT_HERSHEY_SIMPLEX,␣
↪0.7, (255, 255, 255), 2)
        yawn_count += 1
    else:
        cv2.putText(img, "Yawn: Not Detected", (10, 60), cv2.
↪FONT_HERSHEY_SIMPLEX, 0.7, (255, 255, 255), 2)


     #check concentration level
    if yawn_count > 5 and head_rotation_count > 5 and closed_eyes_count > 10:
        concentration_level = 0  # Low Concentration
    elif yawn_count > 3 and head_rotation_count > 3 and closed_eyes_count > 5:
        concentration_level = 1  # Medium Concentration
    elif 1 <= yawn_count <= 2 and 1 <= head_rotation_count <= 2 and␣
↪closed_eyes_count > 3:
        concentration_level = 2  # High Concentration
    else:
        concentration_level = -1  # Not classified

    #display the concentration level
    cv2.putText(img, f"Concentration: {concentration_levels.
↪get(concentration_level)}",
                (10, 120), cv2.FONT_HERSHEY_SIMPLEX, 0.7, (255, 255, 255), 2)
```

```
    cv2.imshow('Frame', img)
    k = cv2.waitKey(30) & 0xff
    if k == 27:
        break

cap.release()
cv2.destroyAllWindows()
```

```
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 37ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 38ms/step
```

```
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 37ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 36ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 38ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 37ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 37ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 38ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 38ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 38ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 38ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 41ms/step
```

```
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 38ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 38ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 38ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 50ms/step
```

```
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 37ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 38ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 39ms/step
```

```
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 43ms/step
```

```
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 38ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 40ms/step
```

```
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 37ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 40ms/step
```

```
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 38ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 46ms/step
```

```
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 46ms/step
```

```
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 91ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 95ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 40ms/step
```

```
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 45ms/step
```

```
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 43ms/step
```

```
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 87ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 88ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 44ms/step
```

```
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 87ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 92ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 96ms/step
1/1 [==============================] - 0s 69ms/step
```

```
1/1 [==============================] - 0s 87ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 91ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 123ms/step
1/1 [==============================] - 0s 97ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 47ms/step
```

```
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 93ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 92ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 53ms/step
```

```
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 47ms/step
```

```
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 42ms/step
```

```
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 44ms/step
```

```
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 46ms/step
```

```
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 40ms/step
```

```
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 91ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 38ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 42ms/step
```

```
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 40ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 47ms/step
```

```
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 100ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 87ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 90ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 53ms/step
```

```
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 93ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 54ms/step
```

```
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 46ms/step
```

```
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 44ms/step
```

```
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 97ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 93ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 49ms/step
```

```
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 39ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 90ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 46ms/step
```

```
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 43ms/step
```

```
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 88ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 92ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 93ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 45ms/step
```

```
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 107ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 51ms/step
```

```
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 47ms/step
```

```
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 88ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 87ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 99ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 88ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 102ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 45ms/step
```

```
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 87ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 102ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 89ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 52ms/step
```

```
1/1 [==============================] - 0s 87ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
```

```
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 46ms/step
```

```
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 94ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 99ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 94ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 101ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 90ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 95ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 55ms/step
```

```
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 87ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 90ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
```

```
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 92ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 49ms/step
```

```
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 50ms/step
```

```
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 92ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 88ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 94ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 90ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 50ms/step
```

```
1/1 [==============================] - 0s 89ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 54ms/step
```

```
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 49ms/step
```

```
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 88ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 43ms/step
```

```
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
```

```
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 70ms/step
```

```
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 89ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 94ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 90ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 46ms/step
```

```
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 58ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 51ms/step
```

```
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 87ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 46ms/step
```

```
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 102ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 106ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 90ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 91ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 45ms/step
```

```
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 43ms/step
```

```
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 105ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 46ms/step
```

```
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 90ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 91ms/step
1/1 [==============================] - 0s 49ms/step
```

```
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 100ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 99ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 43ms/step
```

```
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 94ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 61ms/step
1/1 [==============================] - 0s 108ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 53ms/step
```

```
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 84ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 51ms/step
```

```
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 91ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 100ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 91ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 48ms/step
```

```
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 81ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 82ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 63ms/step
1/1 [==============================] - 0s 90ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 42ms/step
```

```
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 41ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 87ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 102ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 96ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 88ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 99ms/step
1/1 [==============================] - 0s 62ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 89ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 89ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 110ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 99ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 49ms/step
```

```
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 93ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 88ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 57ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 65ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 44ms/step
```

```
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 42ms/step
1/1 [==============================] - 0s 97ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 101ms/step
1/1 [==============================] - 0s 59ms/step
1/1 [==============================] - 0s 85ms/step
1/1 [==============================] - 0s 68ms/step
1/1 [==============================] - 0s 96ms/step
1/1 [==============================] - 0s 60ms/step
1/1 [==============================] - 0s 89ms/step
1/1 [==============================] - 0s 52ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 54ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 75ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 70ms/step
1/1 [==============================] - 0s 44ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 69ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 47ms/step
```

```
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 116ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 83ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 86ms/step
1/1 [==============================] - 0s 56ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 76ms/step
1/1 [==============================] - 0s 49ms/step
1/1 [==============================] - 0s 78ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 106ms/step
1/1 [==============================] - 0s 64ms/step
1/1 [==============================] - 0s 89ms/step
1/1 [==============================] - 0s 55ms/step
1/1 [==============================] - 0s 77ms/step
1/1 [==============================] - 0s 48ms/step
1/1 [==============================] - 0s 79ms/step
1/1 [==============================] - 0s 51ms/step
1/1 [==============================] - 0s 73ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 74ms/step
1/1 [==============================] - 0s 50ms/step
1/1 [==============================] - 0s 72ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 80ms/step
1/1 [==============================] - 0s 53ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 47ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 67ms/step
1/1 [==============================] - 0s 43ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 45ms/step
1/1 [==============================] - 0s 66ms/step
1/1 [==============================] - 0s 46ms/step
1/1 [==============================] - 0s 71ms/step
1/1 [==============================] - 0s 53ms/step
Error: Could not read frame
```

[ ]: