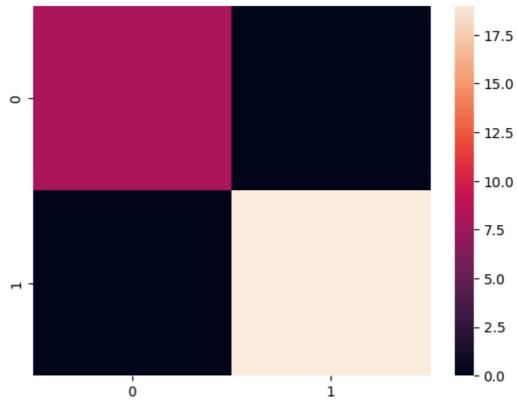
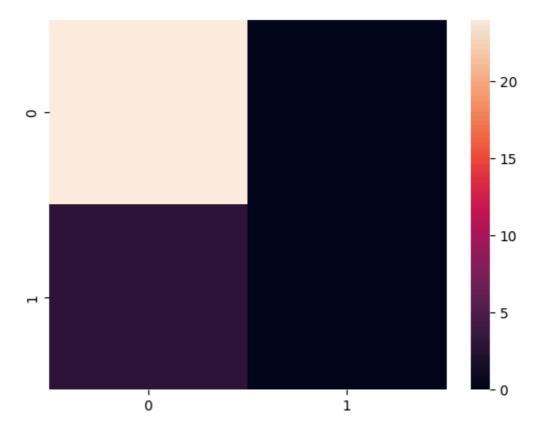
```
In [ ]: import numpy as np
        import pandas as pd
        from sklearn.linear_model import LogisticRegression
        import matplotlib.pyplot as plt
        import seaborn as sns
In [ ]: data_call = pd.read_excel('./QF_Sheet.xlsx', sheet_name='Call', na_values='-')
In [ ]: greeks_call = data_call[['DELTA', 'GAMMA', 'THETA', 'VEGA', 'RHO', 'TREND']]
In [ ]: X_call = greeks_call.drop(columns=['TREND']).values
        y_call = greeks_call['TREND'].values
In [ ]: from sklearn.model_selection import train_test_split
        from sklearn.metrics import accuracy_score, recall_score, confusion_matrix, Conf
        xtrain, xtest, ytrain, ytest = train_test_split(X_call, y_call, test_size=0.25,
In [ ]: logregCall = LogisticRegression().fit(xtrain, ytrain)
In [ ]: ypredTest_call = logregCall.predict(xtest)
In [ ]: accuracy_score(ytest, ypredTest_call)
Out[ ]: 1.0
In [ ]: cf_call = confusion_matrix(ytest, ypredTest_call)
In [ ]: sns.heatmap(cf_call, cmap='rocket')
Out[ ]: <Axes: >
```





Tn Γ 1: