

Начало

train_feature_vector - матрица извлеченных признаков
train_labels - вектор меток сообщений

```
x, y = train_feature_vector, train_labels  
classes = np.unique(y)  
n_classes = len(classes)
```

```
_, n_features = X.shape
```

```
bias = np.zeros(n_classes)  
weights = np.zeros((n_classes, n_features))  
np.random.seed(self.random_state)
```

цикл по i, cls в enumerate(classes)

```
y_binary = np.where(y == cls, 1, -1)  
bias[i], weights[i] = _find_weights(X, y_binary)
```

Конец цикла по i, cls

Конец