دانیال ملک محمد - 94100092-تمرین چهارم عملی - یادگیری ماشین

```
سوال 1.3
ب)
```

:C_neg=C_positive=1

Confusion_matrix:

[[671. 50.] [1. 1.]]

Precision Negative 0.9306518723994452 Recall Negative 0.9985119047619048

Precision Positive 0.5

Recall Positive 0.0196078431372549

[HW4.py]

:C relative

Confusion_matrix:

[[517. 18.] [155. 33.]]

Precision Negative 0.9663551401869159 Recall Negative 0.7693452380952381 Precision Positive 0.17553191489361702 Recall Positive 0.6470588235294118

[HW4.py]

Non Kernel

Confusion_matrix:

[[240. 30.] [24. 246.]]

Accuracy: 0.9

[HW4_2.py]

RBF Kernel

Confusion_matrix:

[[263. 2.] [1. 274.]]

Precision Negative 0.9924528301886792
Recall Negative 0.9962121212121212
Precision Positive 0.9963636363636363
Recall Positive 0.9927536231884058
Accuracy: 0.994444444444445

[HW4_3.py]

Epoch : 60000

Loss on Train: 0.024937046086828934

Loss on Test: 0.456962350384787

[neural.py]



