```
Part II.
The two eigenvectors are:
u1 = [9.99105099e-01 1.51964502e-02 9.79220626e-04 3.21871599e-03]
   2.72345362e-03 -2.61580986e-03 1.80060053e-03 9.66570422e-04
 9.62773783e-04 5.26607587e-04 4.80647649e-04 3.54839554e-04 7.48133475e-03 -2.87908902e-02 7.04873626e-04 -2.99052340e-03 8.93430013e-04 -5.09538148e-03 3.54461308e-04 -2.27319517e-03 5.56200613e-03 -2.46519855e-03 -2.35761110e-02 2.07670827e-03 -1.25283520e-04 7.34311442e-04 -1.63076345e-03]
u2 = [0.03580635 \quad 0.0414222 \quad -0.02793342 \quad 0.0330171 \quad -0.03727893]
05281056
                   0.05052722 - 0.04071391
 -0.03574589
                                                  0.05276296 - 0.03235492
                                                                                    0.07589703
 0.04205823 -0.02721032 0.006184351
The projected data points are:
```

```
35.347003091
[-38.3934171]
[-38.40129011]
                35.063898811
 [-48.38569989]
                33.792213551
 [174.53005232 -53.11792166]
[324.41603571 -47.57419798]
 [334.34081837 -46.71549429]]
```

Process finished with exit code 0