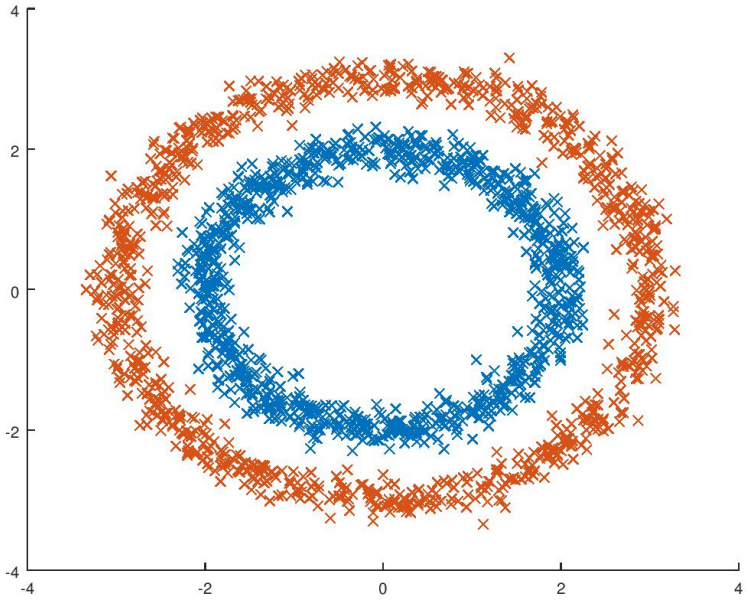
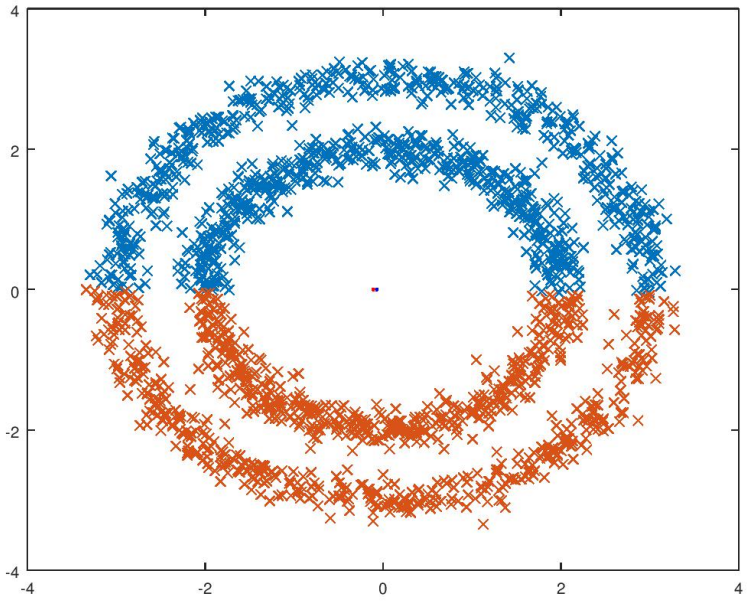
test

Contents

```
%%Homework11

%15307130224

%Question1
x = [-1;1.5]
x_expect = [1;-1]

printf('GD iterations');
time= GD(x, x_expect)
printf('Newton iterations');
time = Newton(x, x_expect)
printf('BFGS iterations');
time = BFGS(x,x_expect)

%Question2
loyd();
```

```
x =
   -1.0000
    1.5000
x_expect =
    1
   -1
GD iterationsx =
    1.00000
   -1.00000
time =  1977
Newton iterationsx =
    0.99932
   -0.99468
time =  43
BFGS iterationsx =
    1.00000
   -1.00000
time =  1977
```


4
2
0
-2
-4
-4
-2
0
2
4


4
2
0
-2
-4
-4
-2
0
2
4