There is a typo in Case B. It should be

$$x=[-1.0,-0.5,-1.0,-2.0]_T, y=0, w_0=[-2,-2,1,-2]_T, b_0=-1, lr=0.01$$ x=[−1.0,−0.5,−1.0,−2.0]T,y=0,w0=[−2,−2,1,−2]T,b0=−1,lr=0.01

as stated in the testing script:

Case B:

```
x=np.array([-1.0,-0.5,-1.0, -2.0])
y=0
w_0=np.array([-2,-2,1,-2])
b_0=-1
lr = 0.01
n = 500
```