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Batch: B

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In [1]: import numpy as np
        x1=[0,0,1,1]
        x2=[0,1,0,1]
        W = [1, 1, 1, 1]
        t=0.8
In [3]: def sigmoid_fun(x):
             sigmoid_val=1/(1+np.exp(-x))
             return sigmoid_val
        def ANGate(x):
            if x==1:
                return 0
            else:
                 return 1
        print("Result of ANDNOT Gate: ")
        for i in range(len(x1)):
            sum=x1[i]*w[i]+x2[i]*w[i]
            if sigmoid_fun(sum)>=t:
                 out=1
             else:
                 out=0
             print(ANGate(out))
       Result of ANDNOT Gate:
       1
       1
       0
In [ ]:
```