**Step1 :**

Wt=[1 1 -1 2 -7]t \*[1 1 -1 0 2]=-13<0

Misclassified

W=W+[1 1 -1 0 2]=[2 2 -2 2 5]

**Step2:**

Wt \*[0 0 1 2 0] =-2+4=2>0

not Misclassified

**Step3:**

Wt \*[-1 -1 1 1 0] =-2-2-2+2+0=-4<0

Misclassified

W=W+[-1 -1 1 1 0]=[1 1 -1 3 5]

Step4:

Wt\*[4 0 1 2 1] =4-1+6+5=14>0

not Misclassified

Step5:

Wt\*[-1 1 1 1 0] =-1+1-1+3=3>0

not Misclassified

Step6:

Wt\*[-1 -1 -1 1 0] =-1-1+1+3=2>0

not Misclassified

Step7:

Wt\*[-1 1 1 2 1] =-1+1-1+6+5=10>0

Misclassified

W=W+[-1 1 1 2 1]=[0 2 0 5 6]

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G(x)=2x1+5x3+6x4>0 🡺w1

G(x)=2x1+5x3+6x4<0 🡺w2