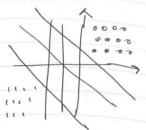


Step 5: Repeat steps 2-4 until no change or some max Herolars.

This algorithm is prove to converge if the data D is Linearly Separable"
i.e. It at ME=0

If not, it will linearly fail
i.e produce a very poor model.

weakness # 1 requires linearly sep. # 2 returns any model that separates.



$$\frac{1}{w} = 0 = 0$$

$$\frac{1}{1} = 1$$

$$\frac{1}{2} = 1$$

$$\frac{1}{3} = 1$$

$$\frac{1}{3}$$

$$\hat{y}_1 = 1$$
 $\hat{y}_1 = 1$
 $\hat{y}_1 = 1$

Neural Network



