Decision sule:
$$\sigma(z) > \frac{1}{2}$$
, detide \ .5

Since we decide +1, when $\sigma(z) > \frac{1}{3}$, i.e., Z > 0We can write. decision and sign(z)

Which its Resemblit's perception.

If we down rubing othis cost function, the upoble will be some as this of Rosenblatt's perposum.

Vang Lagrange's formulation.

Another one mark for code

$$Z_{1} = \omega_{1}x + \theta_{1}$$

$$U = \sigma(z_{1})$$

$$Z_{2} = \omega_{2}U + \theta_{2}$$

$$\hat{y} = S_{1}(z_{2})$$

$$\omega_{1} \leftarrow \omega_{1} - \gamma_{1} \left[-y_{1}(\omega_{1}x + \beta_{1}) + \beta_{2} \right]$$

$$\omega_{1} \leftarrow \omega_{1} - \gamma_{1} \left[-y_{1}(\omega_{1}x + \beta_{1}) \right] \chi$$

$$\omega_{1} \leftarrow \omega_{2} - \gamma_{1} \left[-y_{1}(\omega_{1}x + \beta_{1}) \right] \chi$$

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$$\omega_{1} \leftarrow \omega_{2} - \gamma_{1} \left[-y_{1}(\omega_{1}x + \beta_{1}) \right] \chi$$

$$\omega_{2} \leftarrow \omega_{2} - \gamma_{1} \left[-y_{1}(\omega_{1}x + \beta_{1}) \right] \chi$$

$$\omega_{3} \leftarrow \omega_{4} - \gamma_{1} \left[-y_{1}(\omega_{1}x + \beta_{1}) \right] \chi$$

$$\omega_{5} \leftarrow \omega_{5} - \gamma_{1} \left[-y_{1}(\omega_{1}x + \beta_{1}) \right] \chi$$

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