(A) [Ans]
$$w_1 = 1$$
 and $w_2 = 1$

(A) **[Ans]**
$$w_1 = 1$$
 and $w_2 = 1$

(C) **[Ans]** $w_1 = 2$ and $w_2 = 2$ (D) $w_1 = -2$ and $w_2 = -2$ (E) None of the Above

(B) $w_1 = -1$ and $w_2 = -1$

For what values of w_1 and w_2 , the neuron will act as AND?

Consider $\{-1, +1\}$ logic, and $\phi(z) = +1$ if $\mathbf{w}^T \mathbf{x} \ge 1$ else -1.

Consider a two input (i.e., x_1 and x_2 neuron with an activation $\phi(z)$. Consider $\{-1, +1\}$ logic, and $\phi(z) = +1$ if $\mathbf{w}^T \mathbf{x} \ge 1$ else -1.

For what values of w_1 and w_2 , the neuron will act as OR?

(A)
$$w_1 = 1$$
 and $w_2 = 1$

(B) $w_1 = -1$ and $w_2 = -1$ (C) $w_1 = 2$ and $w_2 = 2$ (D) $w_1 = -2$ and $w_2 = -2$ (E) [Ans] None of the Above

what values of
$$w_1$$
 and w_2 , the neuron will act as OR ?

what values of
$$w_1$$
 and w_2 , the neuron will act as $O(N)$

r what values of
$$w_1$$
 and w_2 , the neuron will act as OR?

Consider $\{-1, +1\}$ logic, and $\phi(z) = +1$ if $\mathbf{w}^T \mathbf{x} \ge 1$ else -1

For what values of w_1 and w_2 , the neuron will act as NAND?

For what values of
$$w_1$$
 and w_2 , the neuron will act as NAND?

(A)
$$w_1 = 1$$
 and $w_2 = 1$

(B) $w_1 = -1$ and $w_2 = -1$ (C) $w_1 = 2$ and $w_2 = 2$ (D) $w_1 = -2$ and $w_2 = -2$ (E) [Ans] None of the Above

a)
$$w_1=1$$
 and $w_2=1$

Consider $\{-1, +1\}$ logic, and $\phi(z) = +1$ if $\mathbf{w}^T \mathbf{x} \ge -1$ else -1

For what values of w_1 and w_2 , the neuron will act as AND?

(B) $w_1 = -1$ and $w_2 = -1$ (C) $w_1 = 2$ and $w_2 = 2$ (D) $w_1 = -2$ and $w_2 = -2$ (E) [Ans] None of the Above

(A) $w_1 = 1$ and $w_2 = 1$

Consider $\{0, +1\}$ logic, and $\phi(z) = +1$ if $\mathbf{w}^T \mathbf{x} \ge 1$ else 0

(B) $w_1 = -1$ and $w_2 = -1$ (C) $w_1 = 2$ and $w_2 = 2$ (D) $w_1 = -2$ and $w_2 = -2$ (E) [Ans] None of the Above

For what values of w_1 and w_2 , the neuron will act as AND?

(A) $w_1 = 1$ and $w_2 = 1$