

Q1-1: Select the correct option.

- A. *A perceptron is guaranteed to perfectly learn a given linearly well-separable function within a finite number of training steps.*
 - B. *A single perceptron can compute the XOR function.*
-
- 1. Both statements are true.
 - 2. Both statements are false.
 - 3. Statement A is true, Statement B is false.
 - 4. Statement B is true, Statement A is false.

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Q2-1: Select the correct option.

- A. *The more hidden-layer units a Neural Network has, the better it can predict desired outputs for new inputs that it was not trained with.*
 - B. *A 3-layers Neural Network with 5 neurons in the input and hidden representations and 1 neuron in the output has a total of 55 connections.*
-
- 1. Both statements are true.
 - 2. Both statements are false.
 - 3. Statement A is true, Statement B is false.
 - 4. Statement B is true, Statement A is false.

Q2-1: Select the correct option.

- A. *The more hidden-layer units a Neural Network has, the better it can predict desired outputs for new inputs that it was not trained with.*
- B. *A 3-layers Neural Network with 5 neurons in the input and hidden representations and 1 neuron in the output has a total of 55 connections.*

- 1. Both statements are true.
- 2. Both statements are false.
- 3. Statement A is true, Statement B is false.
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