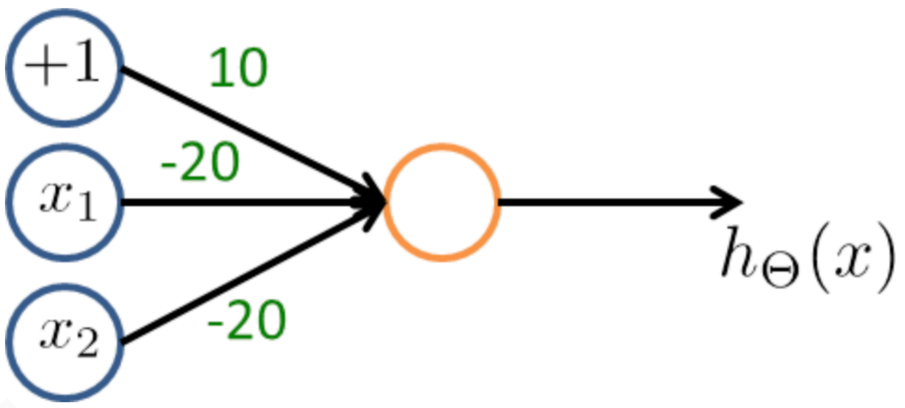
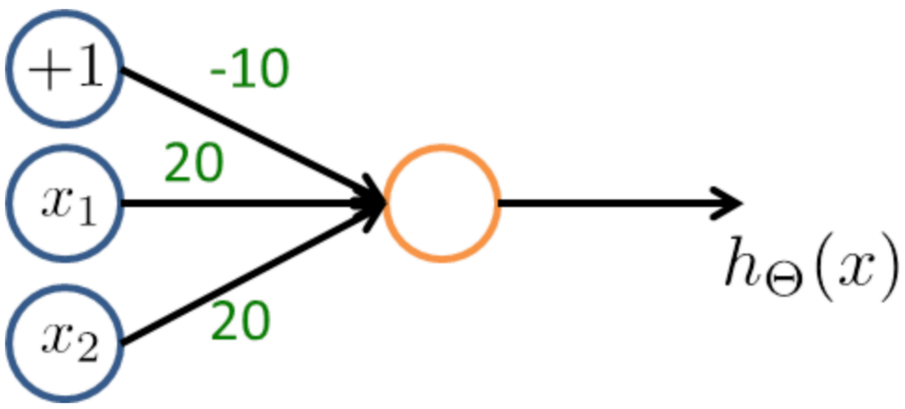
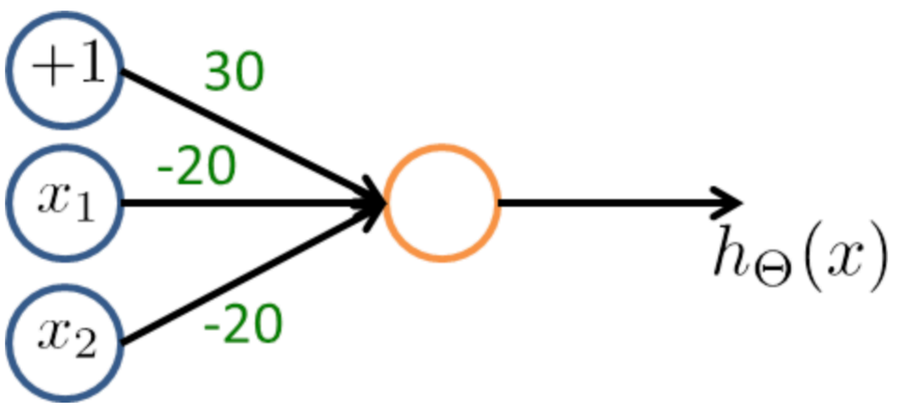
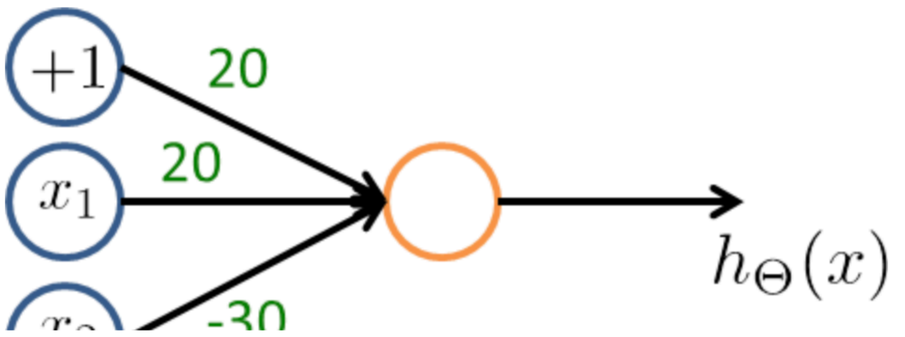
Suppose that x_1 and x_2 are binary valued (0 or 1). Which of the following networks (approximately) computes the boolean function (NOT x_1) AND (NOT x_2)?



Correct







Suppose you have a multi-class classification problem with 10 classes. Your neural network has 3 layers, and the hidden layer (layer 2) has 5 units. Using the one-vs-all method described here, how many elements does $\Theta^{(2)}$ have?

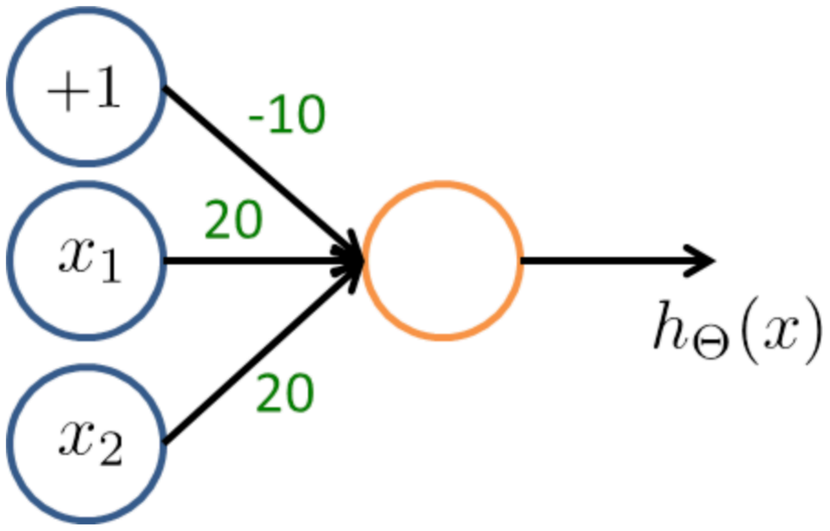
- 50
- 55
- 60

Correct

- 66

Continue

Suppose x_1 and x_2 are binary valued (0 or 1). What boolean function does the network shown below (approximately) compute? (Hint: One possible way to answer this is to draw out a truth table, similar to what we did in the video).



- x_1 AND x_2
- (NOT x_1) OR (NOT x_2)
- x_1 OR x_2

  Correct

- (NOT x_1) AND (NOT x_2)