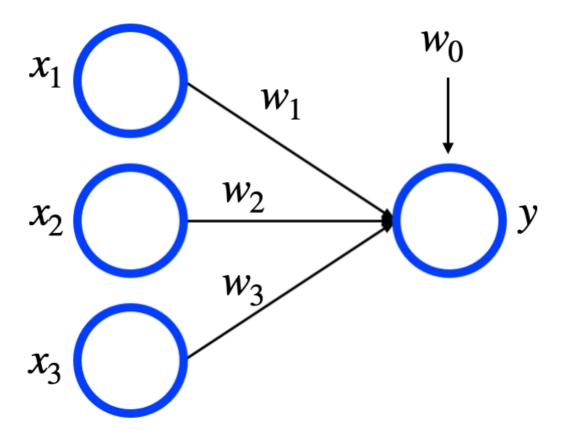
The following question will ask you about the below neural network, where we set w0 = -5, w1 = 2, w2 = -1, and w3 = 3. x1, x2, and x3 represent input neurons, and y represents the output neuron.



What value will this network compute for y given inputs x1 = 3, x2 = 2, and x3 = 4 if we use a step activation function? What if we use a ReLU activation function?

- 0 for step activation function, 0 for ReLU activation function
- 0 for step activation function, 1 for ReLU activation function
- 1 for step activation function, 0 for ReLU activation function
- 1 for step activation function, 1 for ReLU activation function
- 1 for step activation function, 11 for ReLU activation function
- 1 for step activation function, 16 for ReLU activation function
- 11 for step activation function, 11 for ReLU activation function
- 16 for step activation function, 16 for ReLU activation function

	How many total weights (including biases) will there be for a fully connected neural network with a single input layer with 3 units, a single hidden layer with 5 units, and a single output layer with 4 units?	*1/1
0) 9	
0) 12	
0) 20	
0	35	
0) 39	
0) 40	
•) 44	
0) 60	
0) 69	
	Consider a recurrent neural network that listens to a audio speech sample, and classifies it according to whose voice it is. What network architecture is the best fit for this problem?	*1/1
•		
0	One-to-many (single input, multiple outputs)	
0	One-to-one (single input, single output)	
	Many-to-many (multiple inputs, multiple outputs)	

2	4	6	8
16	14	12	10
18	20	22	24
32	30	28	26

What would be the result of applying a 2x2 max-pool to the original *1/1 image?

Answers are formatted as a matrix [[a, b], [c, d]] where [a, b] is the first row and [c, d] is the second row.

- **(**[16, 12], [32, 28]]
- [[16, 14], [32, 30]]
- [[22, 24], [32, 30]]
- [[14, 12], [30, 28]]
- [[16, 14], [22, 24]]
- [[16, 12], [32, 30]]

Comments, if any

此表单是在 CS50 内部创建的。

Google 表单