

had to start from small values.

prevent divergence; this will slow down learning.

Consider the following 1 hidden layer neural network:

1/1

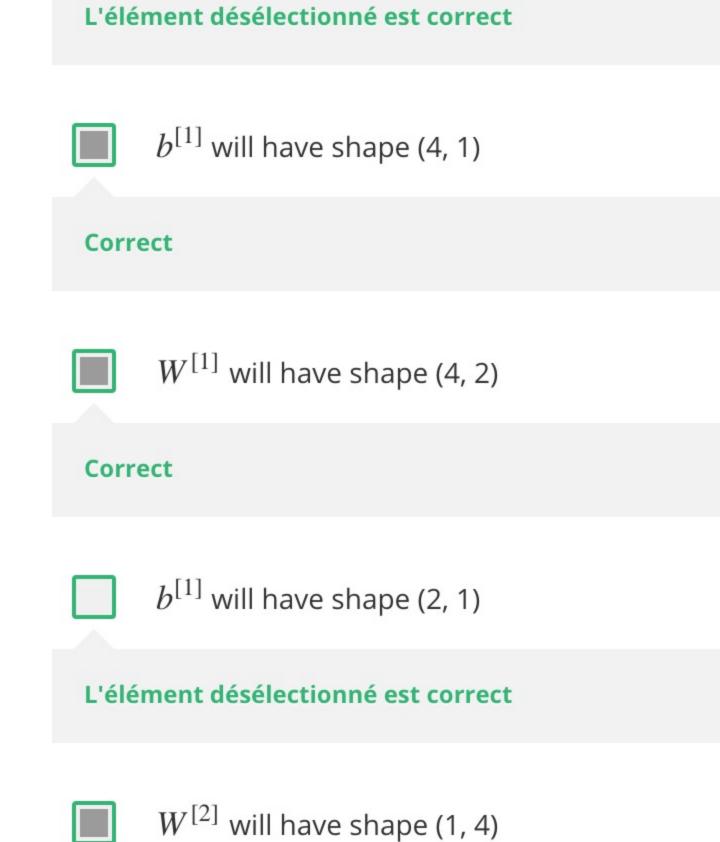
points

Which of the following statements are True? (Check all that apply).

be "highly activated" and thus speed up learning compared to if the weights

gradients to also become large. You therefore have to set lpha to be very small to

This will cause the inputs of the tanh to also be very large, thus causing

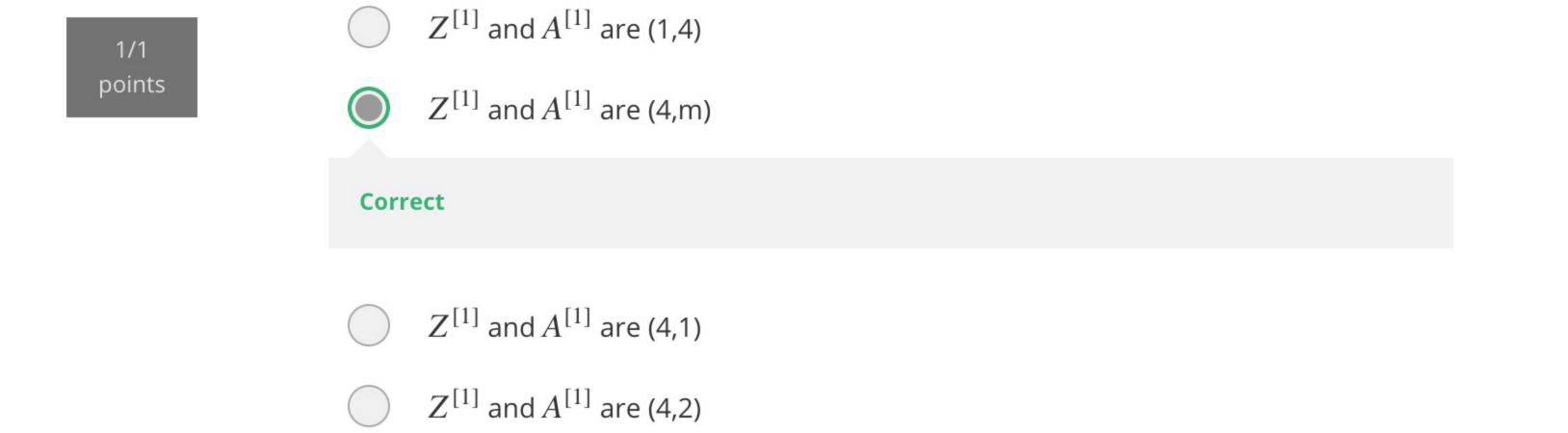


Correct

Correct

 $W^{[1]}$  will have shape (2, 4)

| $b^{[2]}$ will have shape (4, 1)    |
|-------------------------------------|
| L'élément désélectionné est correct |
| $W^{[2]}$ will have shape (4, 1)    |
| L'élément désélectionné est correct |
| $b^{[2]}$ will have shape (1, 1)    |



**10.** In the same network as the previous question, what are the dimensions of  $\mathbb{Z}^{[1]}$  and  $\mathbb{A}^{[1]}$ ?