

Suppose you are applying a sliding windows classifier (non-convolutional implementation). 6. Increasing the stride would tend to increase accuracy, but decrease computational cost. point True False In the YOLO algorithm, at training time, only one cell --- the one containing the center/midpoint of an object--- is responsible for detecting this object. point True False What is the IoU between these two boxes? The upper-left box is 2x2, and the lower-right box 8. is 2x3. The overlapping region is 1x1. point

set that contains many pictures of the object(s) you wish to detect. However, bounding boxes

do not need to be provided in the training set, since the algorithm can learn to detect the

point

objects by itself.

True

False

1/6

1/9

1/10

point

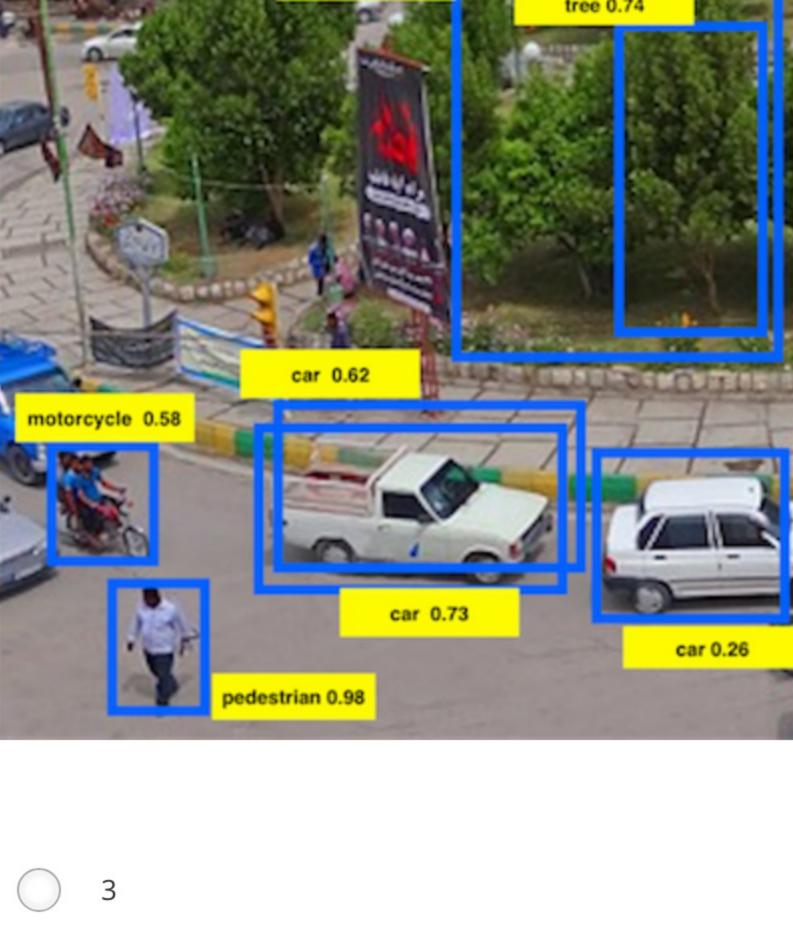
point

None of the above

threshold for deciding if two boxes overlap is 0.5. How many boxes will remain after non-max suppression?

Suppose you run non-max suppression on the predicted boxes above. The parameters you

use for non-max suppression are that boxes with probability \leq 0.4 are discarded, and the IoU



		3	
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10.	with 5 volume neural	Suppose you are using YOLO on a 19x19 grid, on a detection problem with 20 classes, and with 5 anchor boxes. During training, for each image you will need to construct an output volume y as the target value for the neural network; this corresponds to the last layer of the neural network. (y may include some "?", or "don't cares"). What is the dimension of this	

ural network; this corresponds to the last layer of the VO ?", or "don't cares"). What is the dimension of this ne output volume? 19x19x(25x20) 19x19x(5x20)

19x19x(5x25)

19x19x(20x25)

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