



deeplearning.ai

Object Detection

Object
detection

Car detection example

Training set:

x

y



1



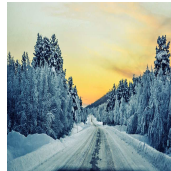
1



1



0



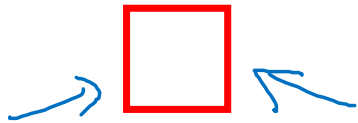
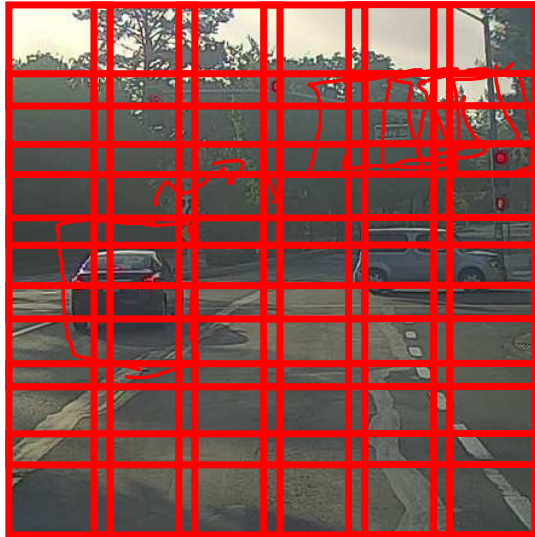
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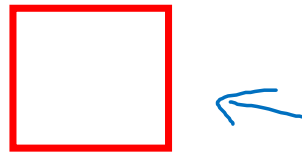
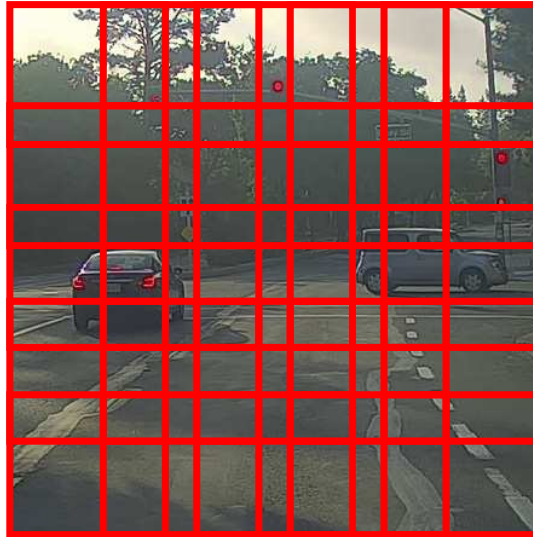
\rightarrow ConvNet $\rightarrow y$

Sliding windows detection

→ ConvNet → 0



→ ConvNet



Computation cost

