	3
	How many trainable parameters does an average pooling layer with pool size of (5, 5) have?
When should you use a \times 1 convolution layer (i.e., the convolution filter has both width a	nd 0
height dimensions equal to 1)?	. 5
Never	
When you need to adjust the number of channels between layers	25
When you have grayscale images as inputs	Cannot be determined from the information provided
When you have a single input and a single output channel	
2 沒有。poling 的 使是自己是真定的 How many trainable parameters does a maximum pooling layer with pool size of (5, 5) have	e? — 4
0 0	N/hat affect dead and limbs on have on the minches of shannels?
O 5	What effect does a pooling layer have on the number of channels? The number of output channels is the same as the number of input channels
O 25	
Cannot be determined from the information provided	The number of output channels is greater than the number of input channels
	The number of output channels is less than the number of input channels
	A pooling layer cannot handle multiple input channels
5	7
5	7
S What does the "Le" in LeNet stand for?	Suppose a Conv2D layer uses a kernel of spatial dimensions 5 x 5 and no biases. Suppose the
What does the "Le" in LeNet stand for? It's taken from name of LeNet's inventor, Yann LeCun	Suppose a Conv2D layer uses a kernel of spatial dimensions 5 x 5 and no biases. Suppose the number of input channels is 3 and the number of output channels is 16. What is the total number of trainable parameters in such a layer?
It's taken from name of LeNet's inventor, Yann LeCun	number of input channels is 6 and the number of output channels is 16. What is the total
It's taken from name of LeNet's inventor, Yann LeCun Learning	number of input channels is 6 and the number of output channels is 16. What is the total number of trainable parameters in such a layer? 25
It's taken from name of LeNet's inventor, Yann LeCun	number of input channels is 6 and the number of output channels is 16. What is the total number of trainable parameters in such a layer? 25
It's taken from name of LeNet's inventor, Yann LeCun Learning	number of input channels is 6 and the number of output channels is 16. What is the total number of trainable parameters in such a layer? 25
It's taken from name of LeNet's inventor, Yann LeCun Learning Local Embedding	number of input channels is 6 and the number of output channels is 16. What is the total number of trainable parameters in such a layer? 25 400 150
Learning Local Embedding Layer Engineering	number of input channels is 6 and the number of output channels is 16. What is the total number of trainable parameters in such a layer? 25 400 150 2400 \$\frac{6\times 16}{5} \times 5 \times 5 \times 2400 \tag{7}\$ \tag{8} \times 16\times 5 \times 5 \times 2400 \tag{7}\$ \tag{9} \tag{9} \tag{1} \
Learning Local Embedding Layer Engineering In typical CNN architectures, what tends to happen to the number of channels as we move from earlier layers of processing to later ones?	number of input channels is 6 and the number of output channels is 16. What is the total number of trainable parameters in such a layer? 25 400 150 2400 5 6×16×5×5 = 2400 6 parameters.
Learning Local Embedding Layer Engineering In typical CNN architectures, what tends to happen to the number of channels as we move from earlier layers of processing to later ones? Channel numbers tends to increase	number of input channels is 8 and the number of output channels is 16. What is the total number of trainable parameters in such a layer? 25 400 150 2400 Above the following the follo
Learning Local Embedding Layer Engineering In typical CNN architectures, what tends to happen to the number of channels as we move from earlier layers of processing to later ones? Channel numbers tends to stay the same	number of input channels is 6 and the number of output channels is 16. What is the total number of trainable parameters in such a layer? 25 400 150 2400 Above the trainable parameters. Above the trainable parameters. Above the trainable parameters. The LeNet architecture we saw consisted for 4 types of layers: Convolution, Pooling, Flatter.
Learning Local Embedding Layer Engineering In typical CNN architectures, what tends to happen to the number of channels as we move from earlier layers of processing to later ones? Channel numbers tends to increase	number of input channels is 8 and the number of output channels is 16. What is the total number of trainable parameters in such a layer? 25 400 150 2400 • A C I C T T T T T T T T T T T T T T T T T
Learning Local Embedding Layer Engineering In typical CNN architectures, what tends to happen to the number of channels as we move from earlier layers of processing to later ones? Channel numbers tends to stay the same	number of input channels is 3 and the number of output channels is 16. What is the total number of trainable parameters in such a layer? 25 400 150 2400 About the following parameters of the total number of trainable parameters in such a layer? 400 400 About the following following parameters of trainable parameters resided in which of these types? Dense
Learning Local Embedding Layer Engineering In typical CNN architectures, what tends to happen to the number of channels as we move from earlier layers of processing to later ones? Channel numbers tends to stay the same Channel numbers tends to decrease	number of input channels is 3 and the number of output channels is 16. What is the total number of trainable parameters in such a layer? 25 400 150 2400 About the following parameters of the total number of trainable parameters in such a layer? 400 400 About the following following parameters of trainable parameters resided in which of these types? Dense
Learning Local Embedding Layer Engineering In typical CNN architectures, what tends to happen to the number of channels as we move from earlier layers of processing to later ones? Channel numbers tends to stay the same Channel numbers tends to decrease	number of input channels is 3 and the number of output channels is 16. What is the total number of trainable parameters in such a layer? 25 400 150 2400 \$\delta \lb \delta \

l	7
	rpical CNN architectures, what tends to happen to spatial dimensions as we move from ier layers of processing to later ones?
	They tend to increase
	They tend to stay the same
0	They tend to decrease
	CNN layers don't have spatial dimensions since everything is flattened into a long vector at the first layer
1.	
Įt	
	Net was to redesigned using modern knowledge not available in the 1980s, what is one age you would expect to see?
0	Use ReLU instead of sigmoid activation
	Use only Dense layers
	Train it using backpropagation
	Get rid of all Dense layers