

Class : Lorry / Truck

Image 1:



Image 2:



Image 3:



Image 4:



Image 5:



Image 6:



Image 7:



Image 8:



Image 9:



Image 10:



The Convolutional Neural Network consists of -

- 5 Convolutional Layers + Pooling Layers
- A Dense Network
- 3 x 3 Filters
- Input Images re-sized to 224 x 224
- The output is plotted using the 'Greens' colour combination of the CMAP function. A green hue provides a better output visibility than a Grey hue.

Let us Validate the Feature Map after each convolutional layer :

Convolutional Layer -1

































































Image ID	Output							
image1								
								
								
								
								
								
								
								

image2	
image3	

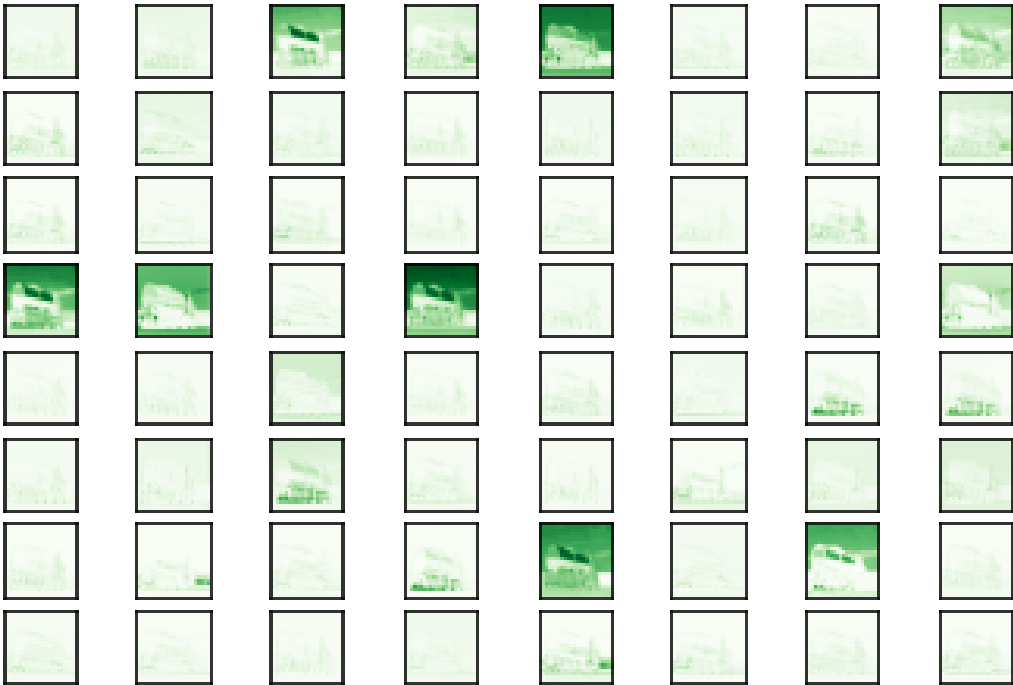
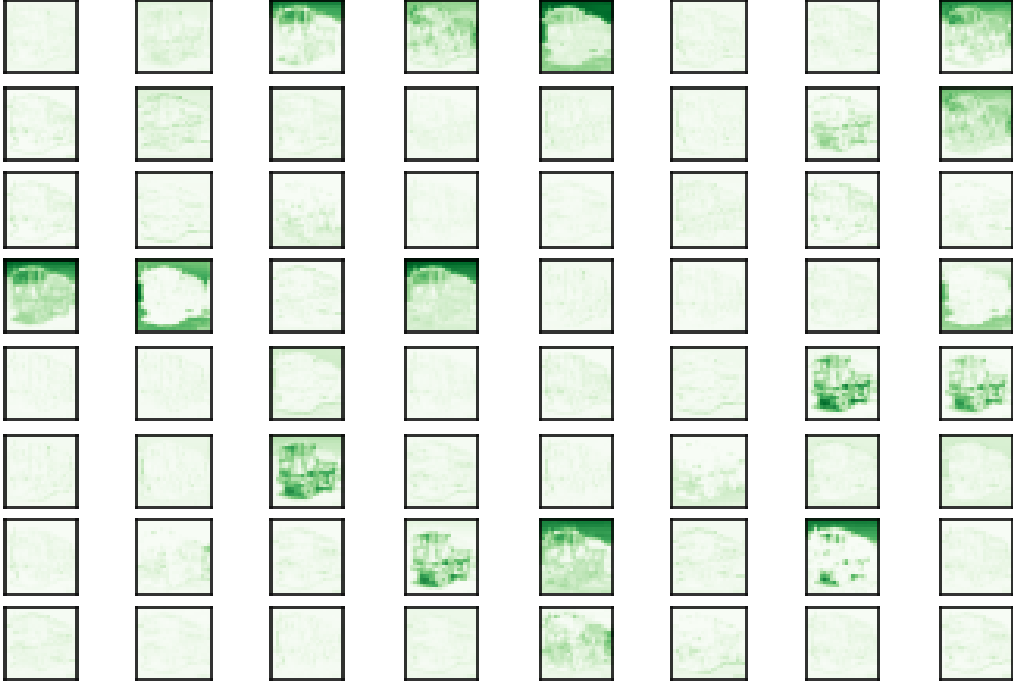
image4	
image5	



image6	
image7	


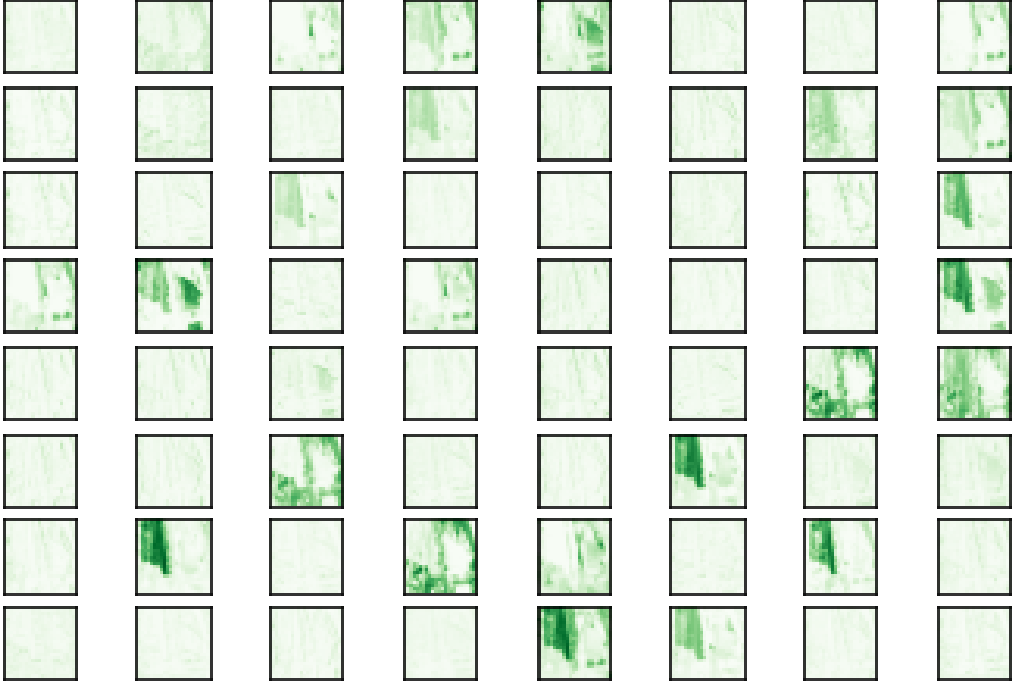
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image10



Convolutional Layer -2

































































































































Image ID	Output							
image1								
								
								
								
								
								
								
								
image2								
								
								
								
								
								
								
								



image3	
image4	

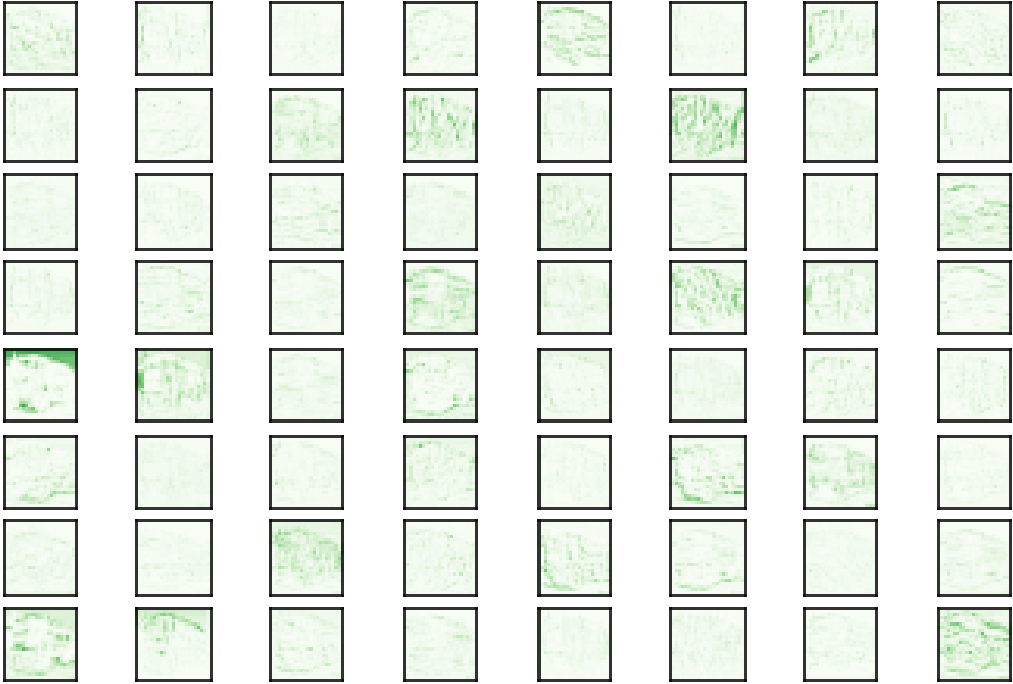



image5	
image6	

image7	
image8	

image9	
image10	

Convolutional Layer - 3


















Image ID	Output							
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image2								
								
								
								
								
								
								
								

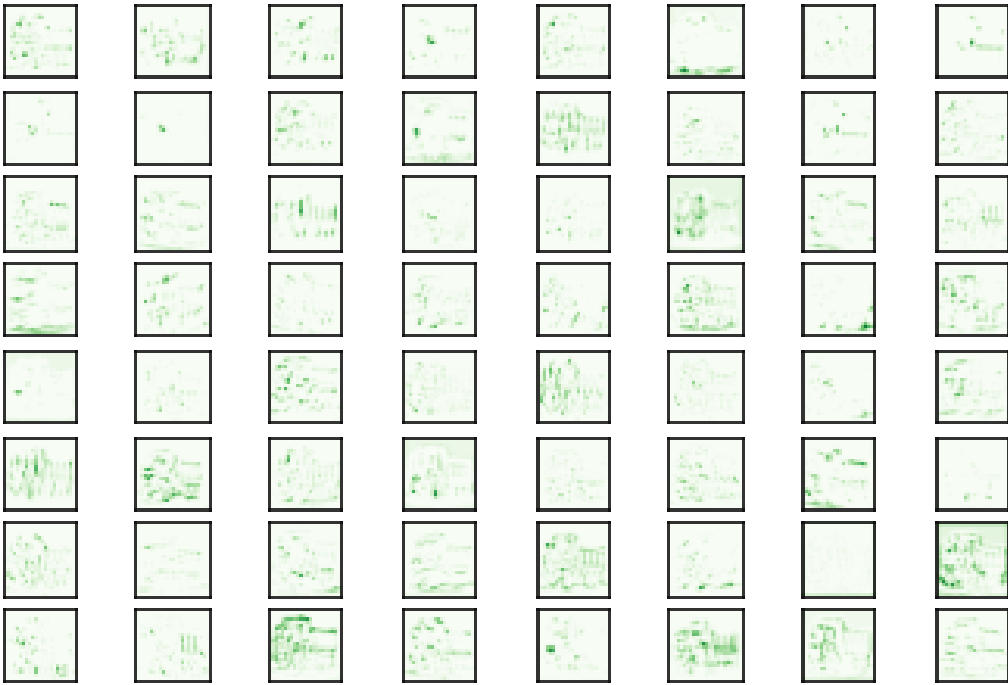

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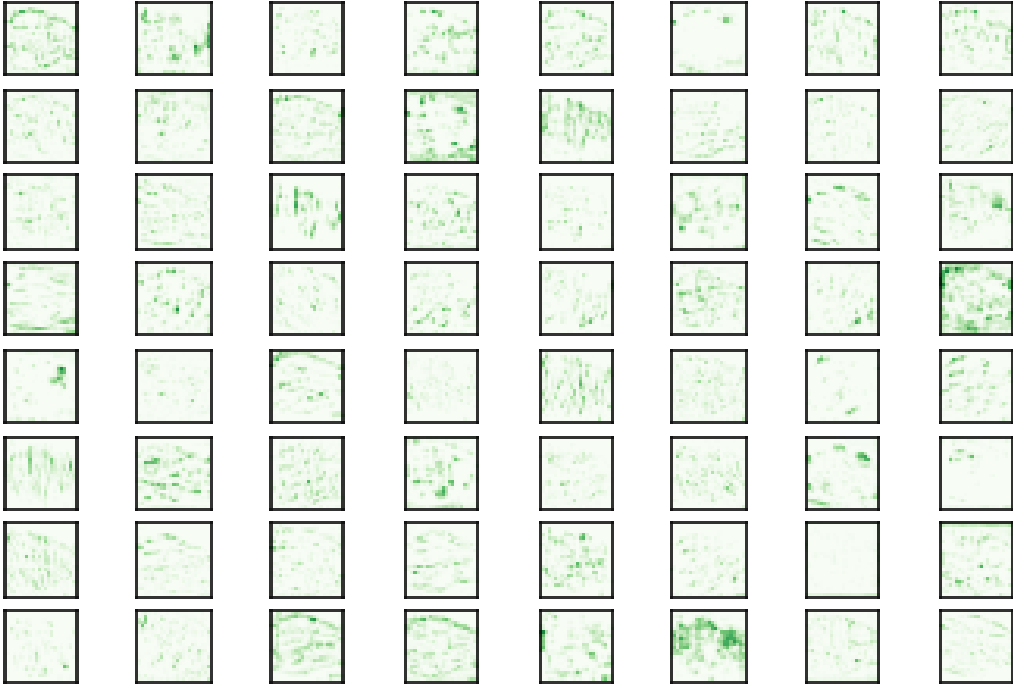
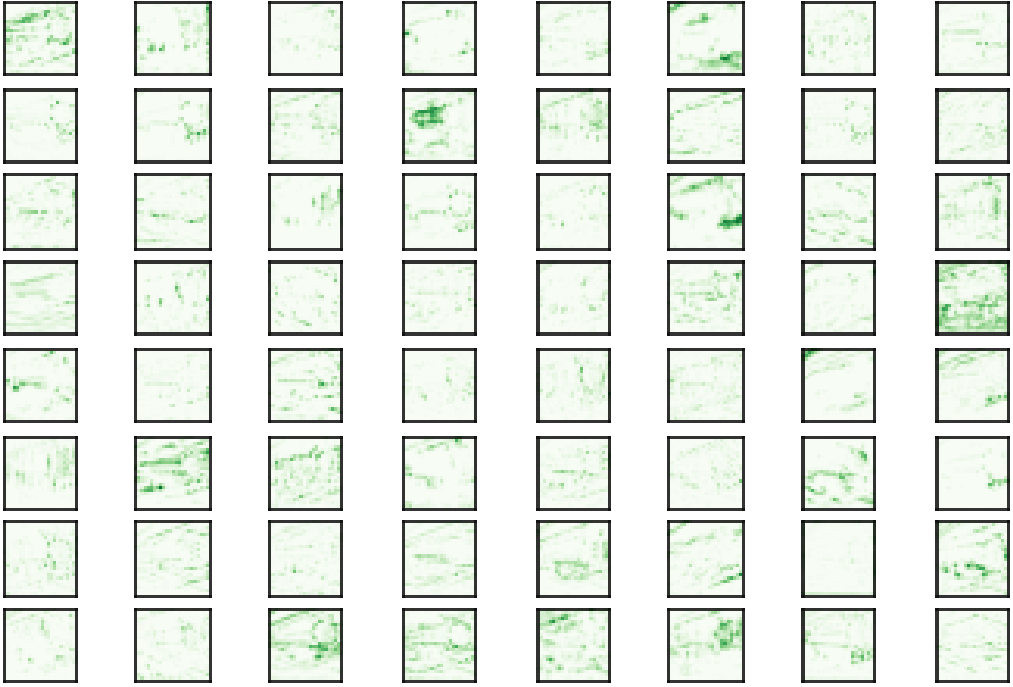
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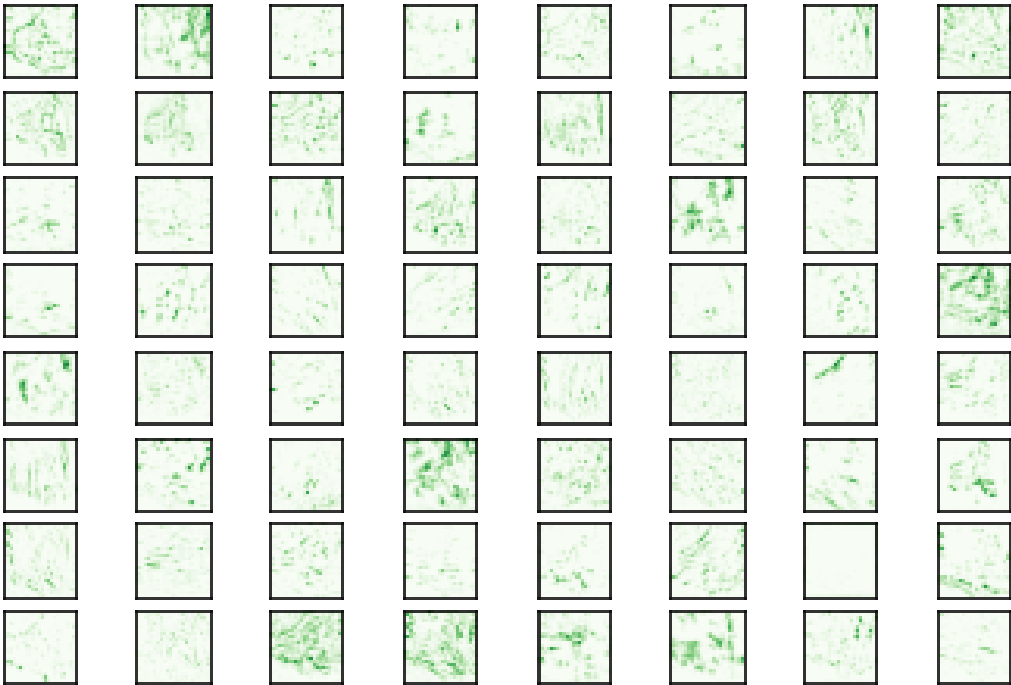
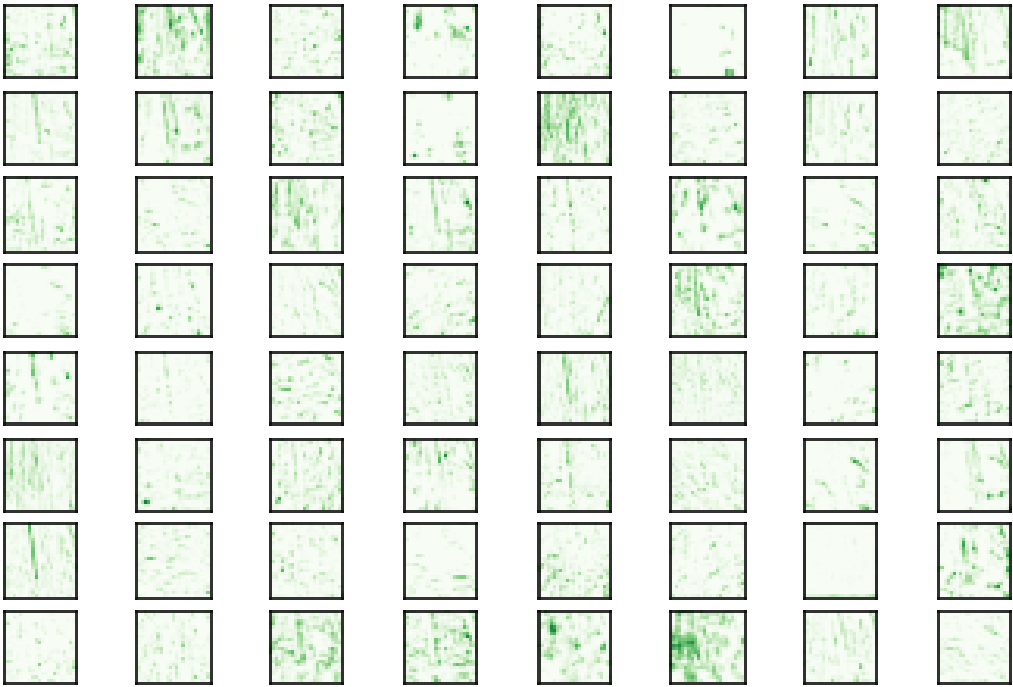
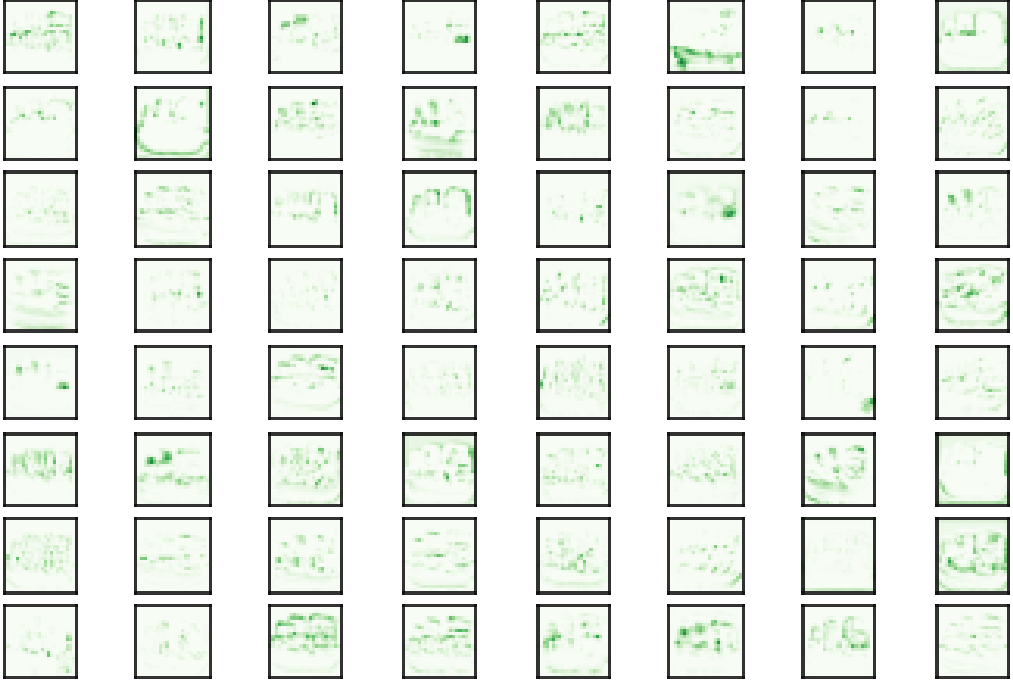
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Convolutional Layer - 4

































































































































Image ID	Output							
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image2								
								
								
								
								
								
								
								

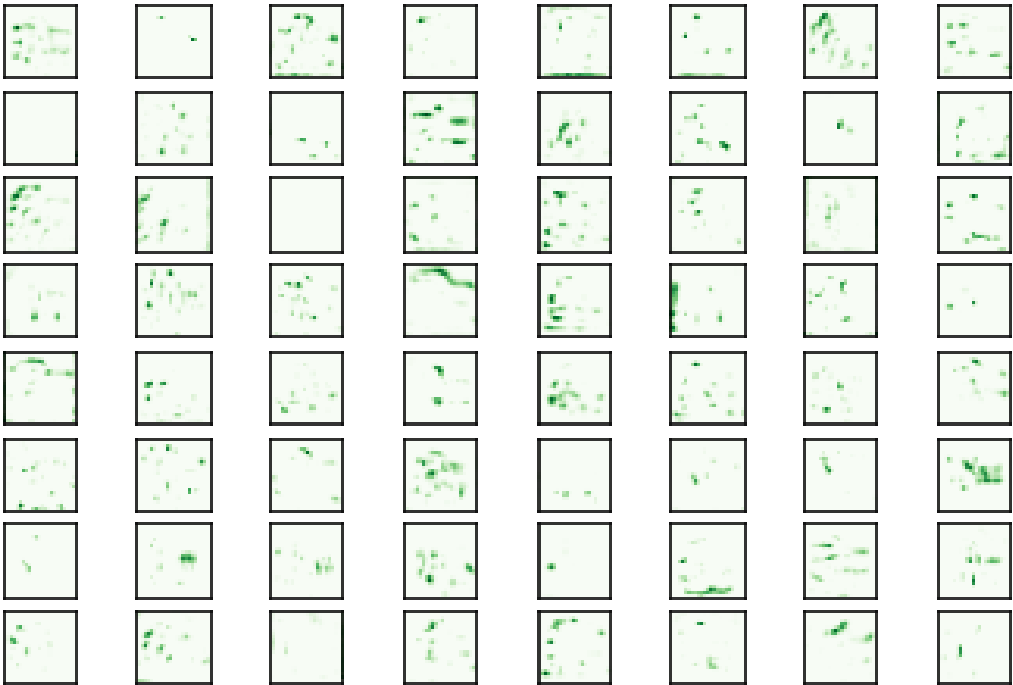
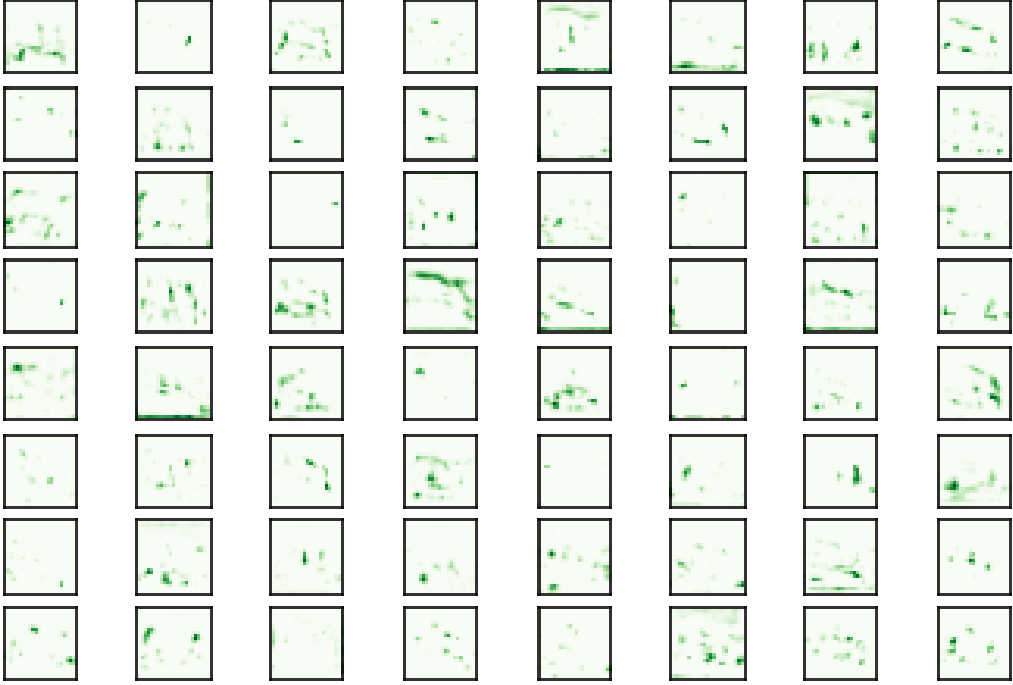
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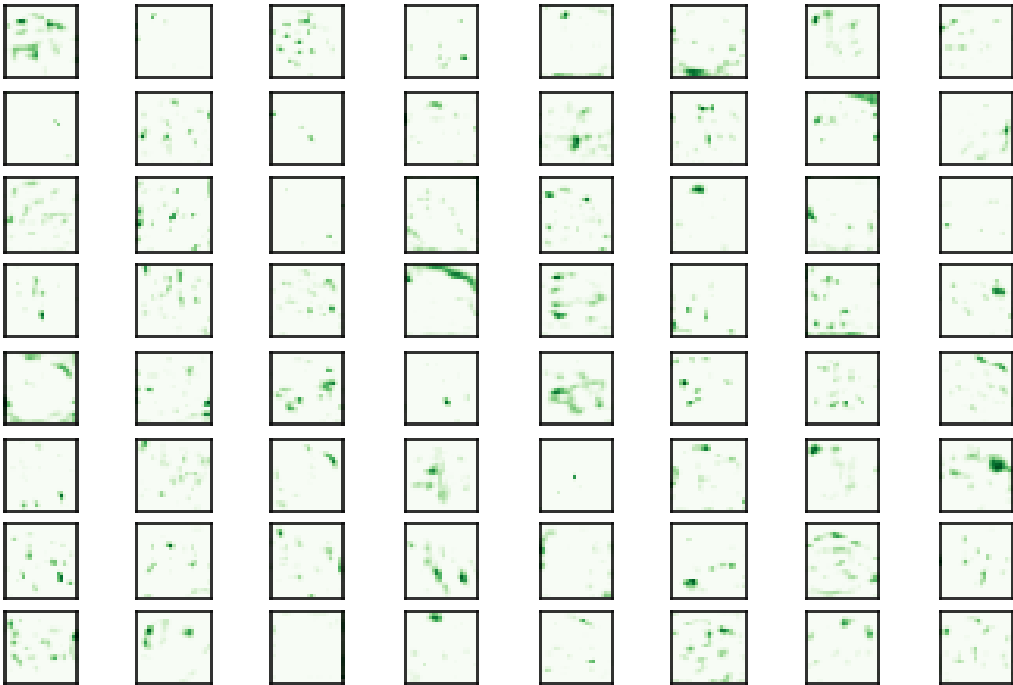
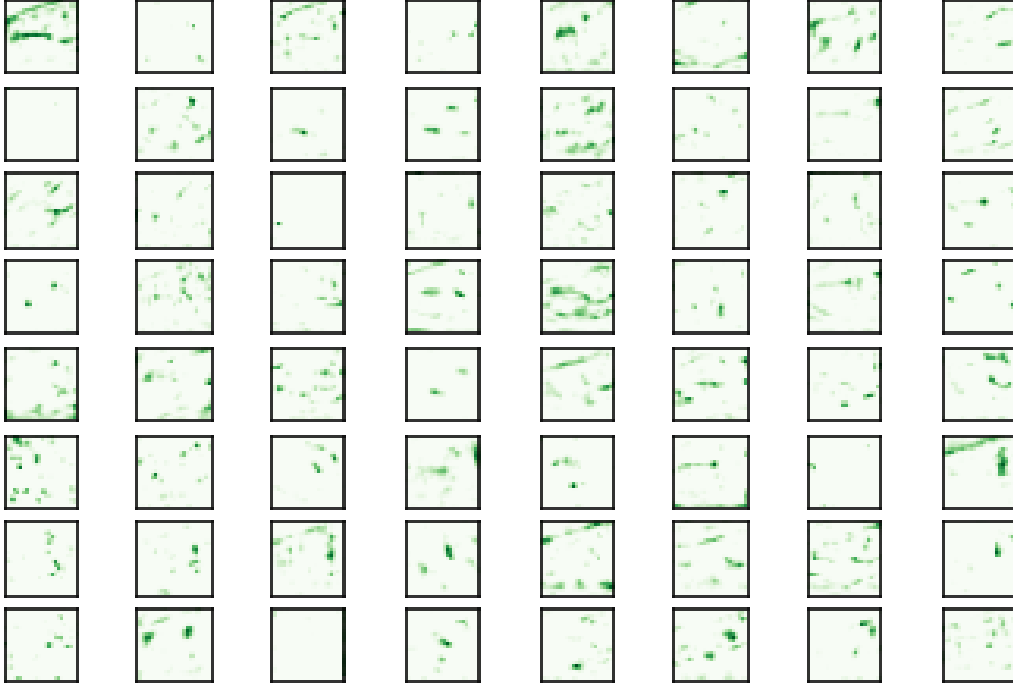
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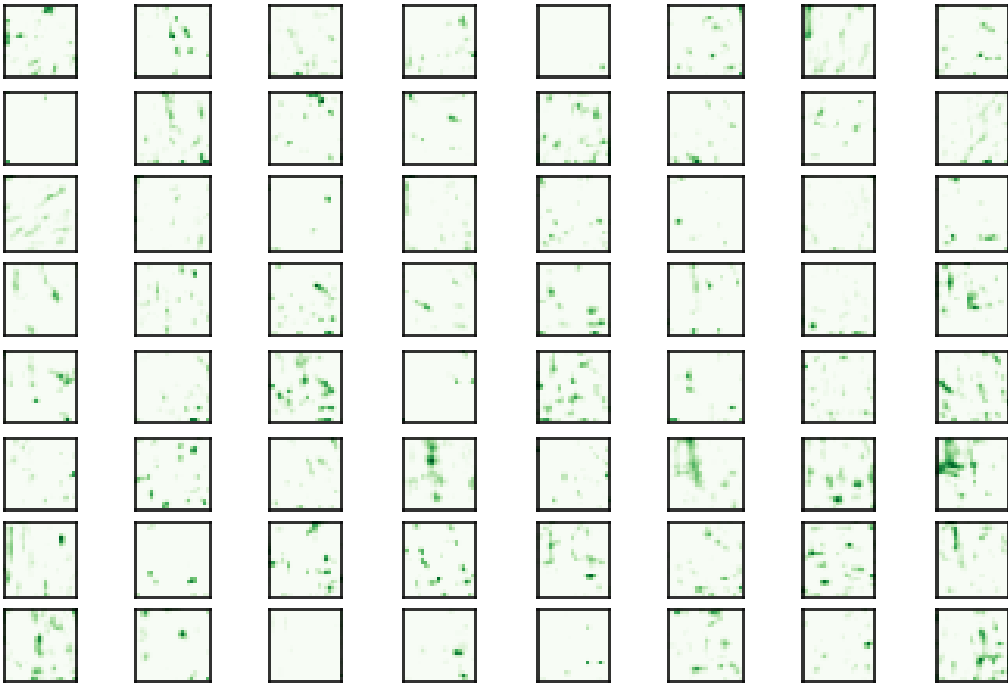
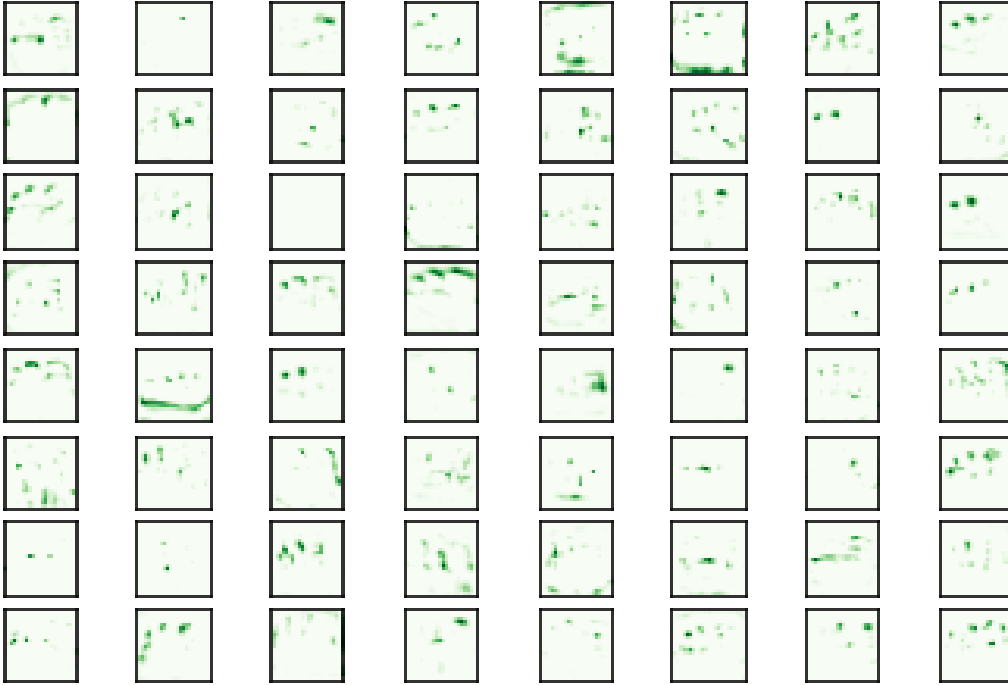
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image10	

Convolutional Layer - 5

















































































































































Image ID	Output							
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image2								
								
								
								
								
								
								
								
								

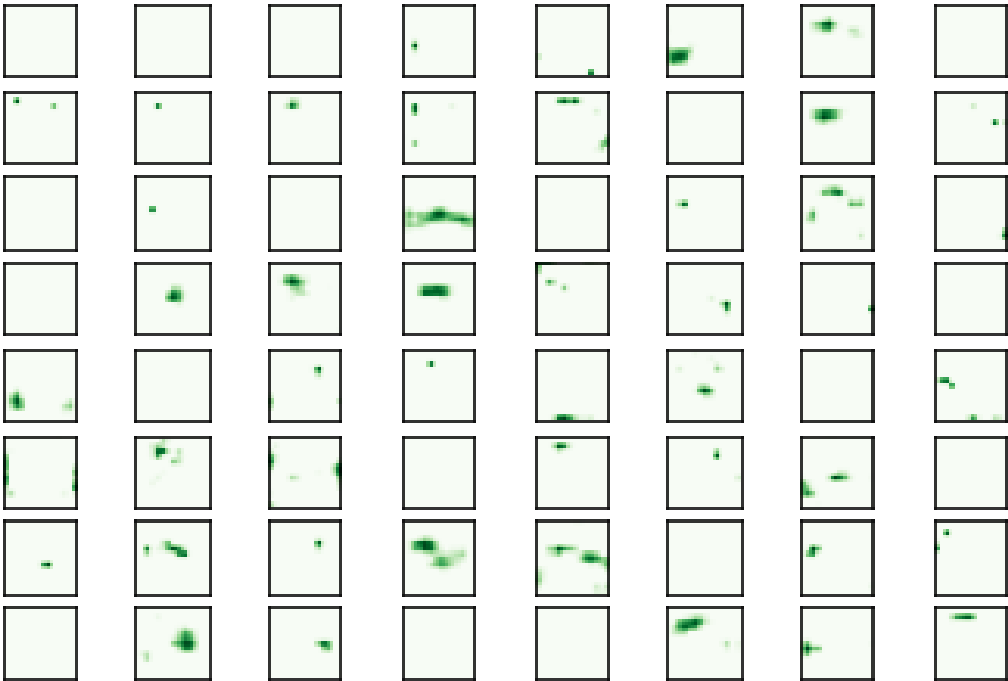
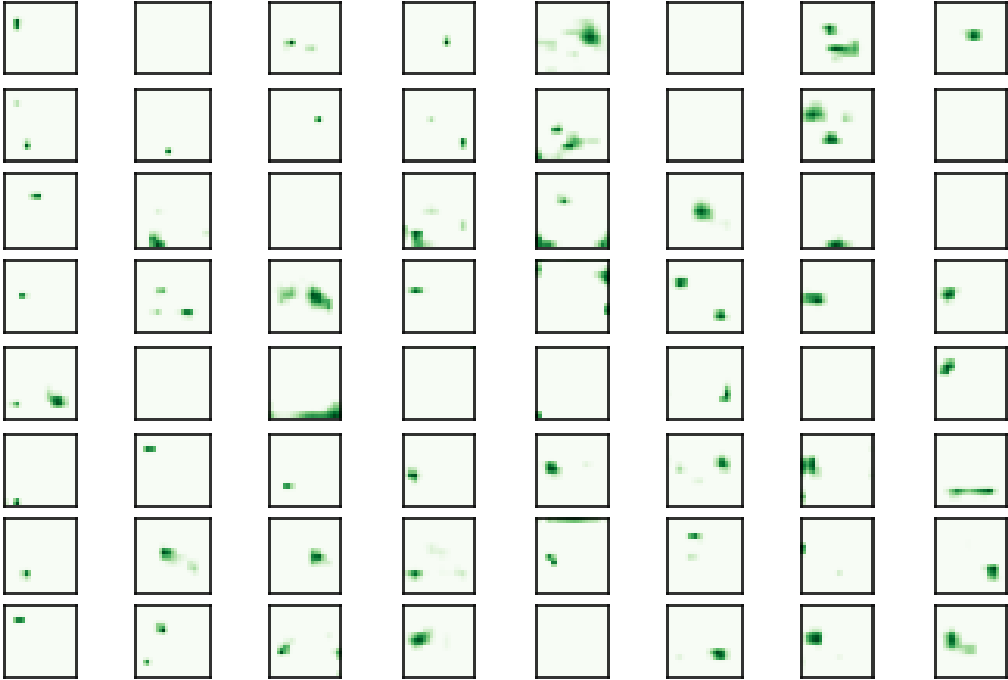
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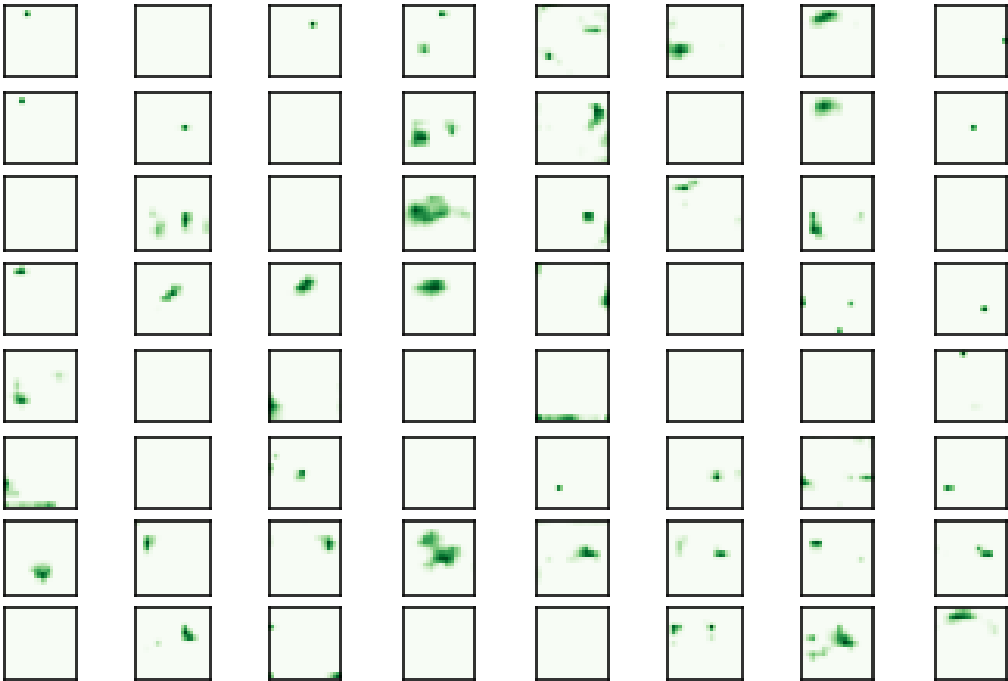
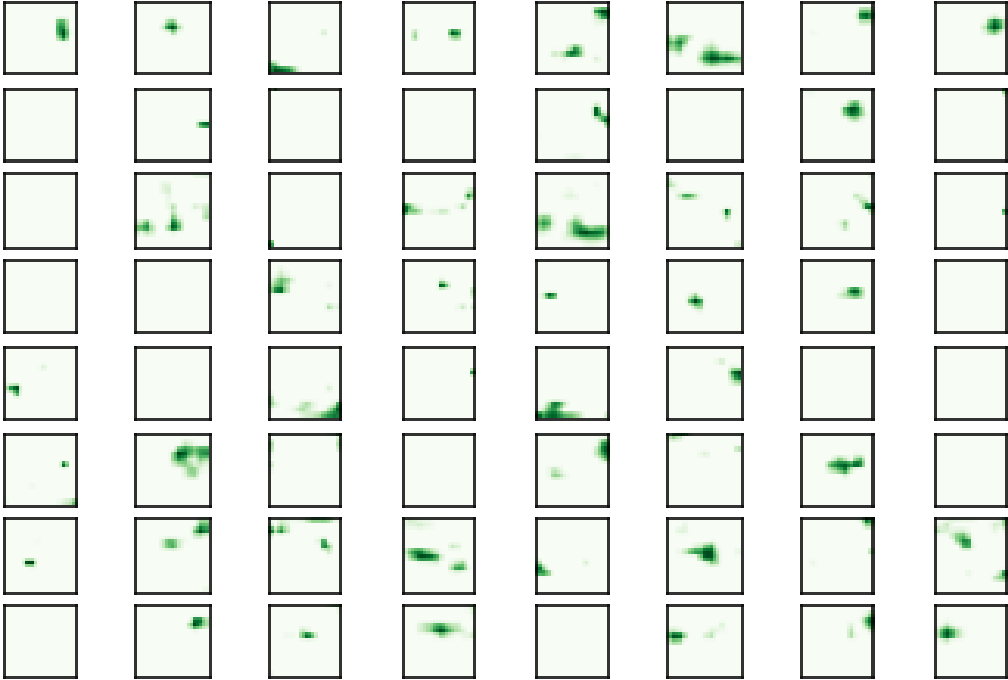
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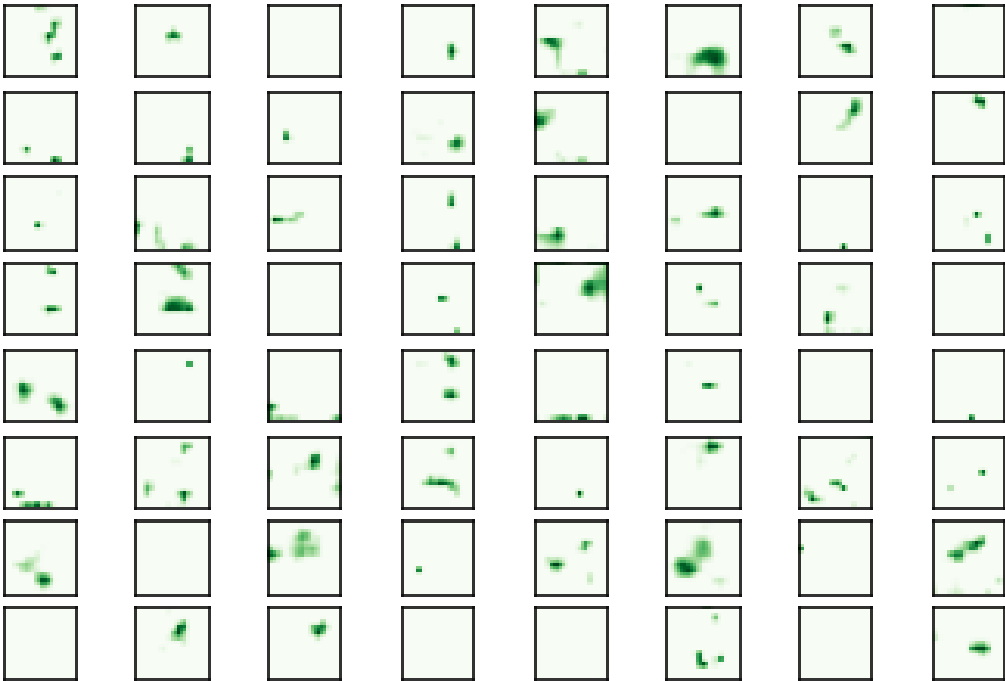

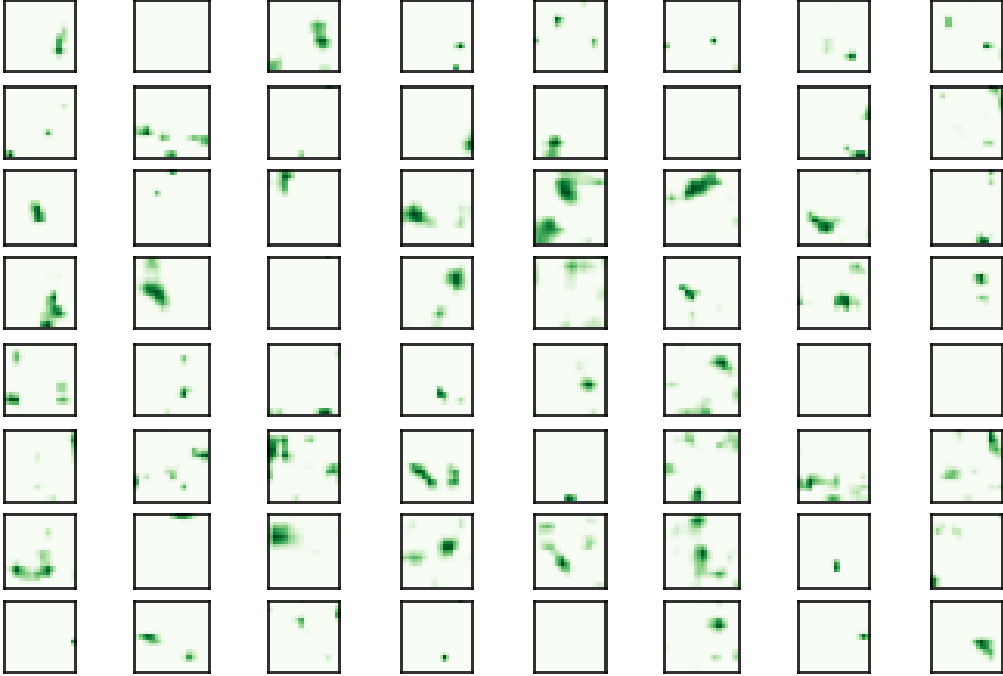
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