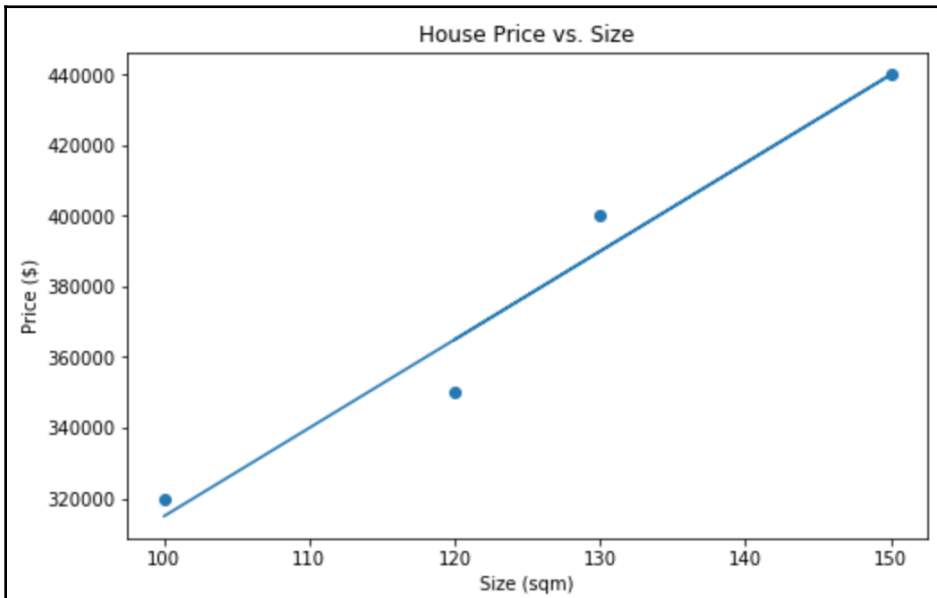
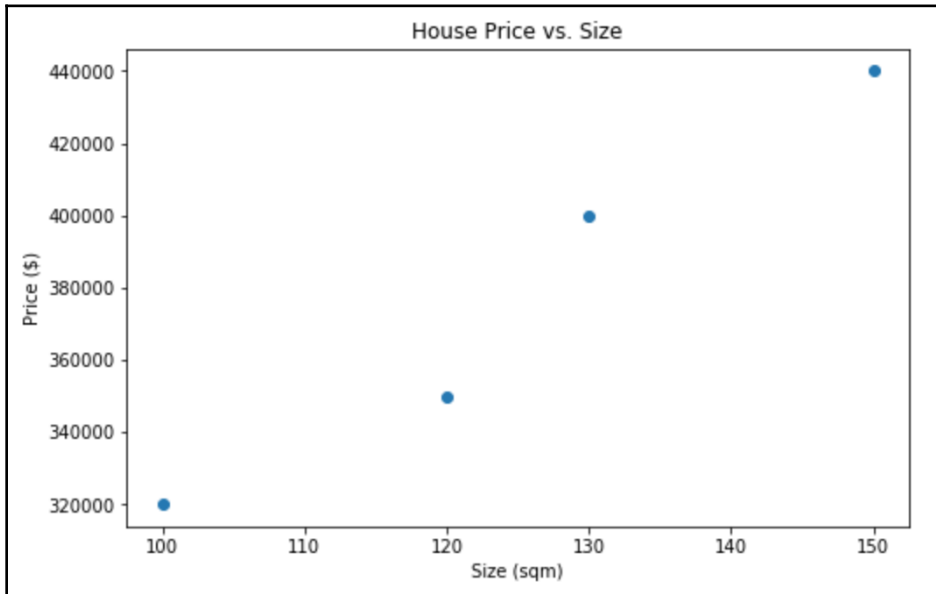


# Chapter 1: Fundamentals of Machine Learning and Deep Learning





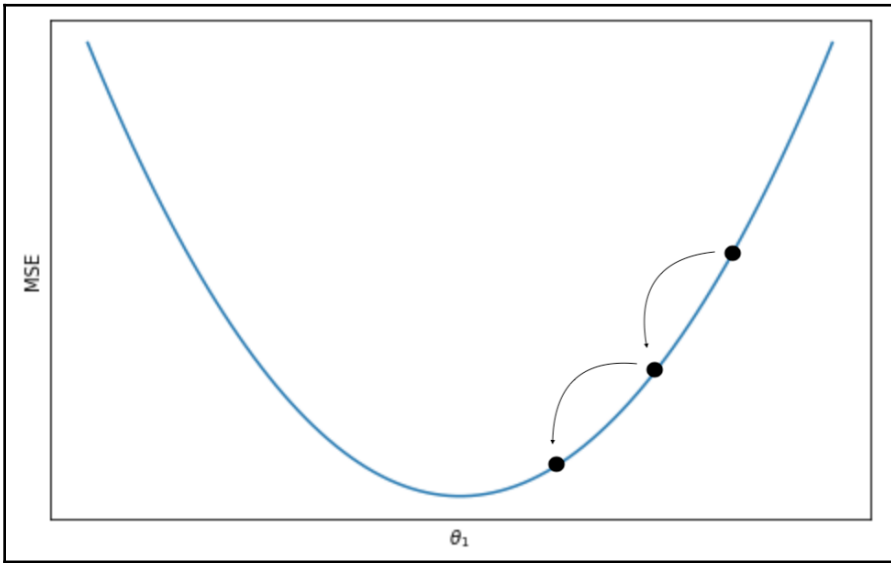
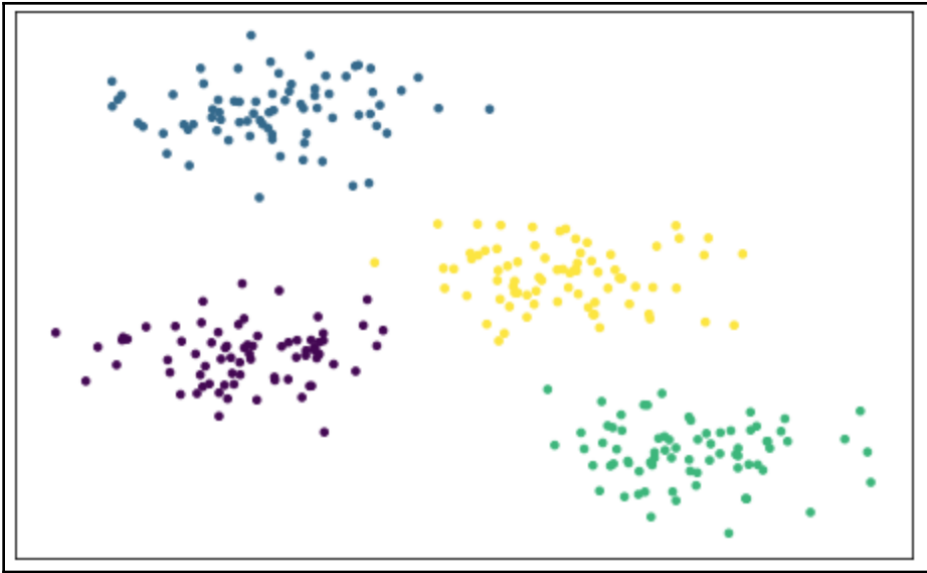
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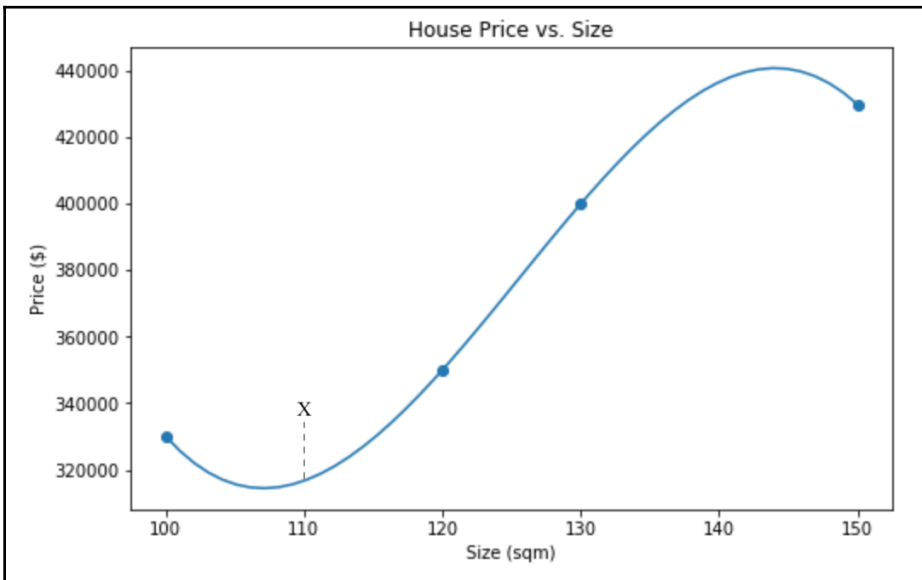
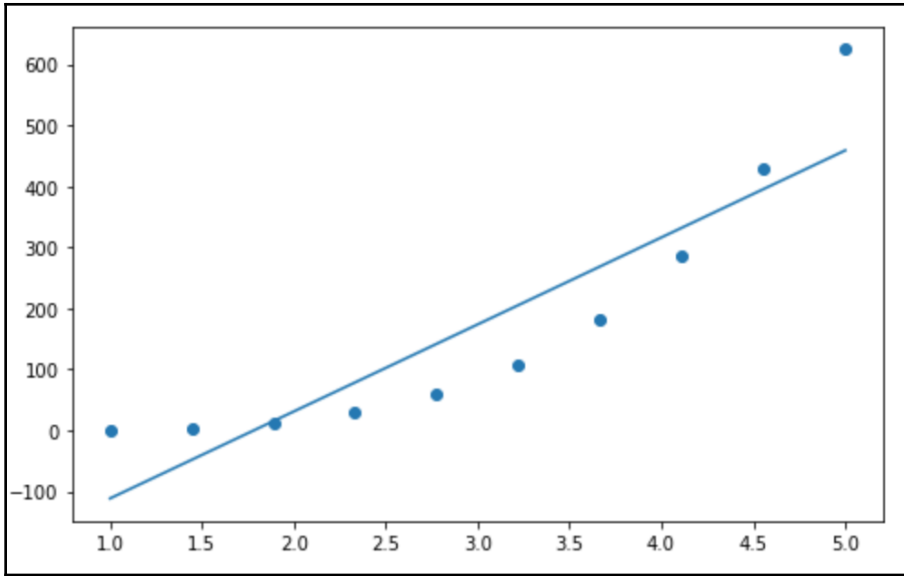


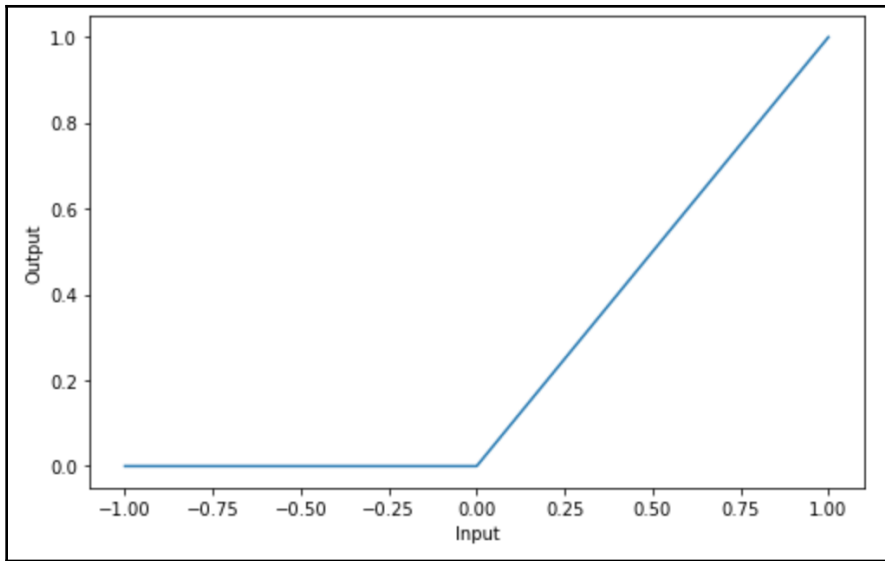
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?

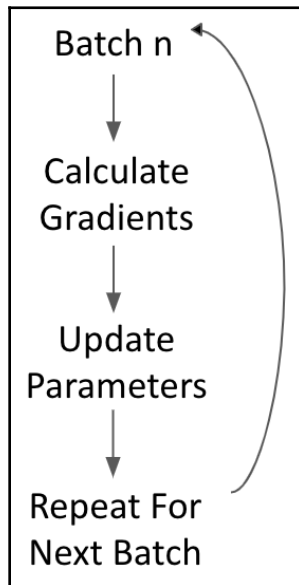
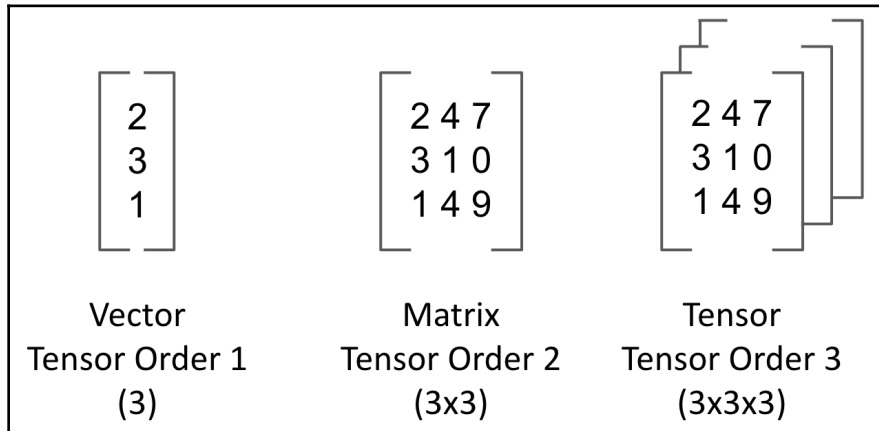


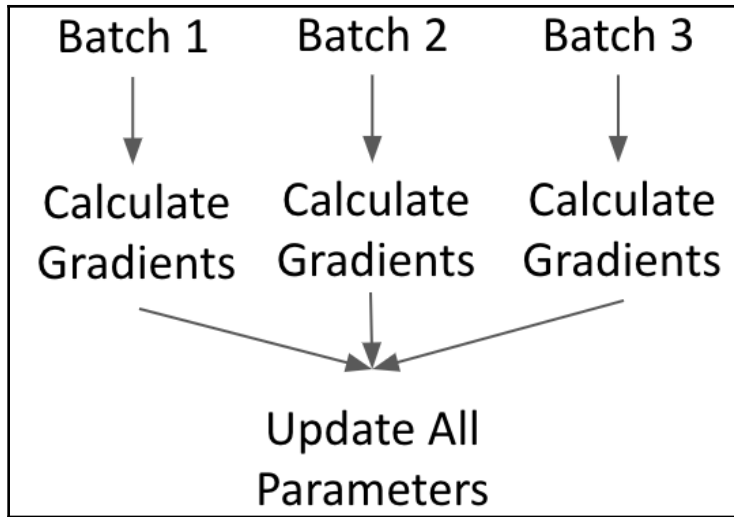




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## Chapter 2: NLP for PyTorch

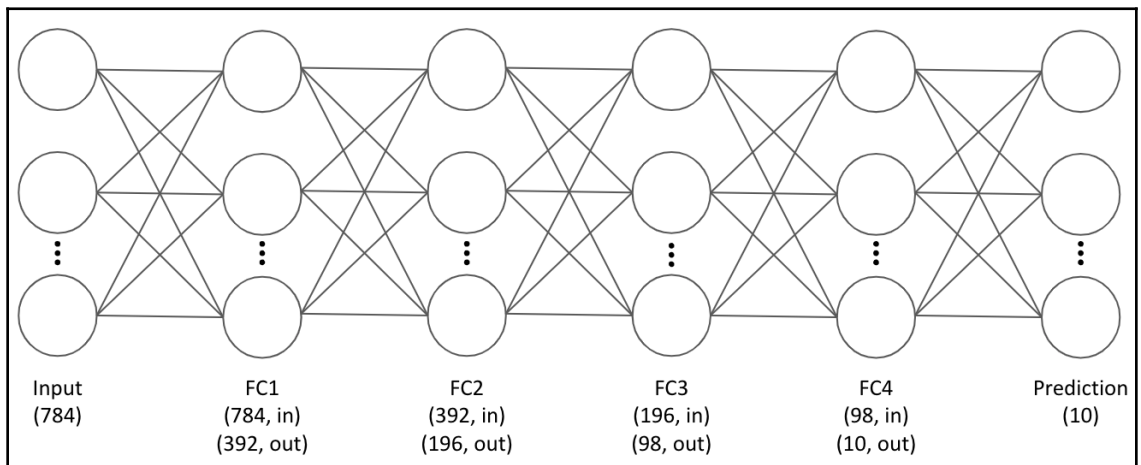
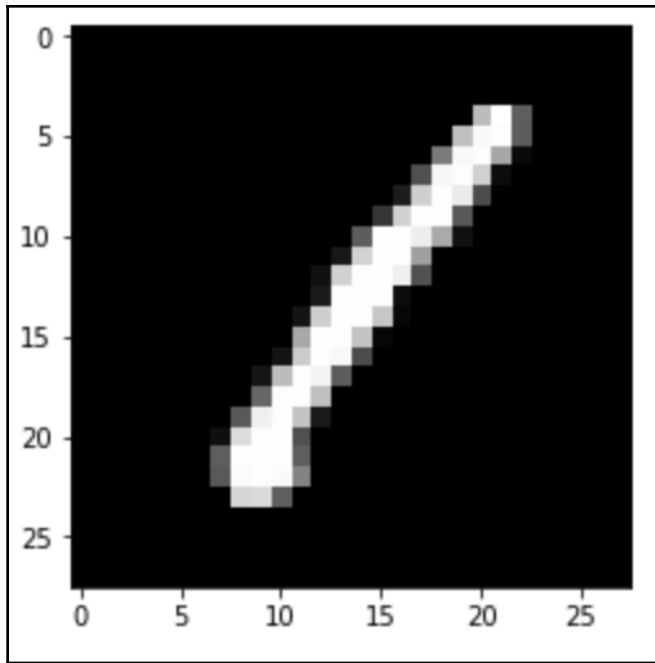




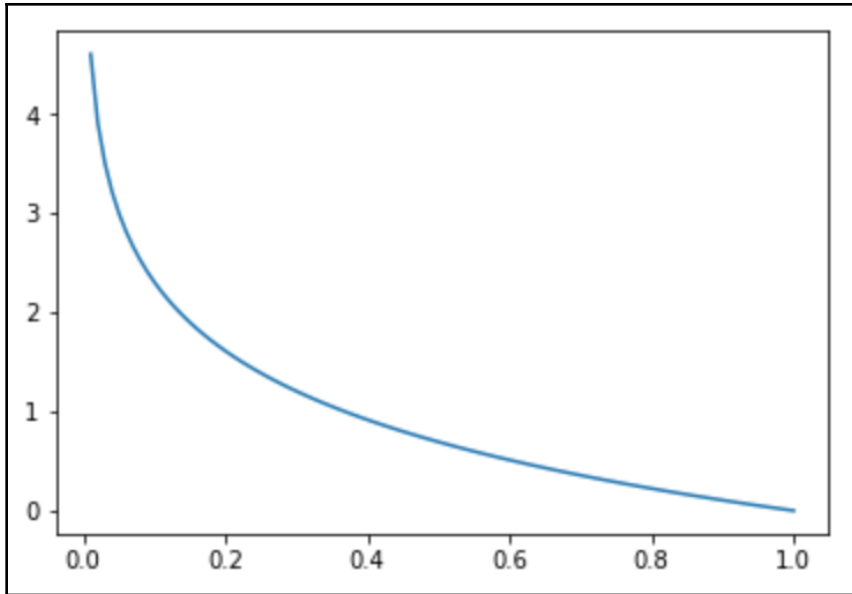
"I"	"Did"	"Not"	"Enjoy"	"The"	"Film"
1	0	3	1	0	0
0	1	3	0	1	0
0	2	0	4	0	1

"The"	"Film"	"Was"	"Bad"
0	0	3	1
1	0	4	2
0	1	0	2



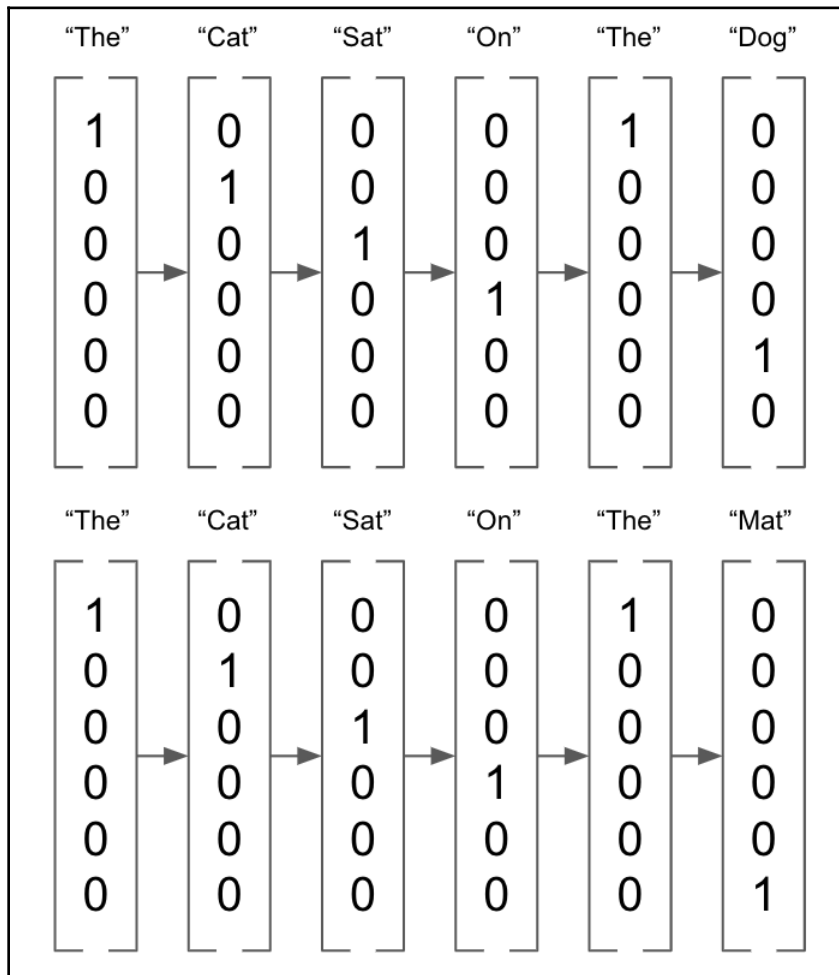


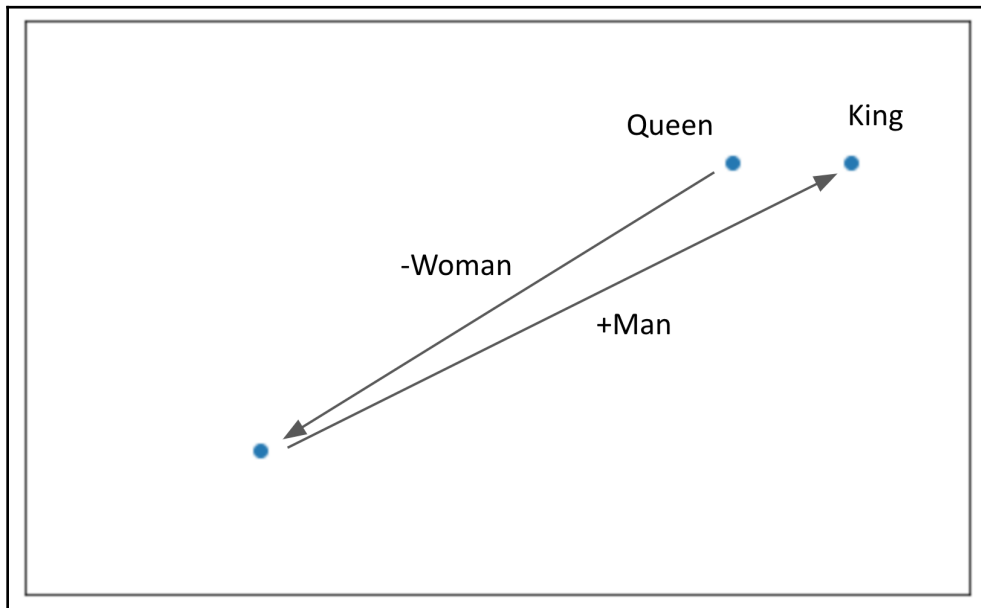
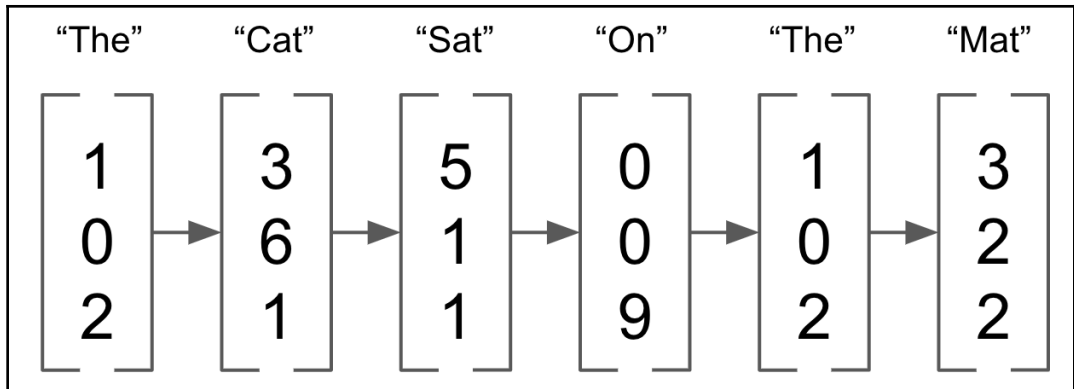


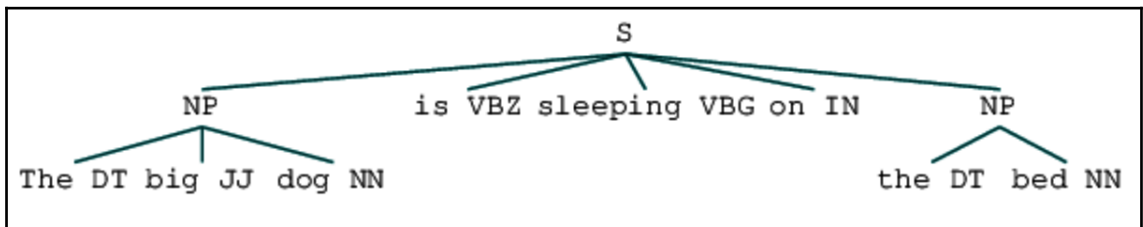
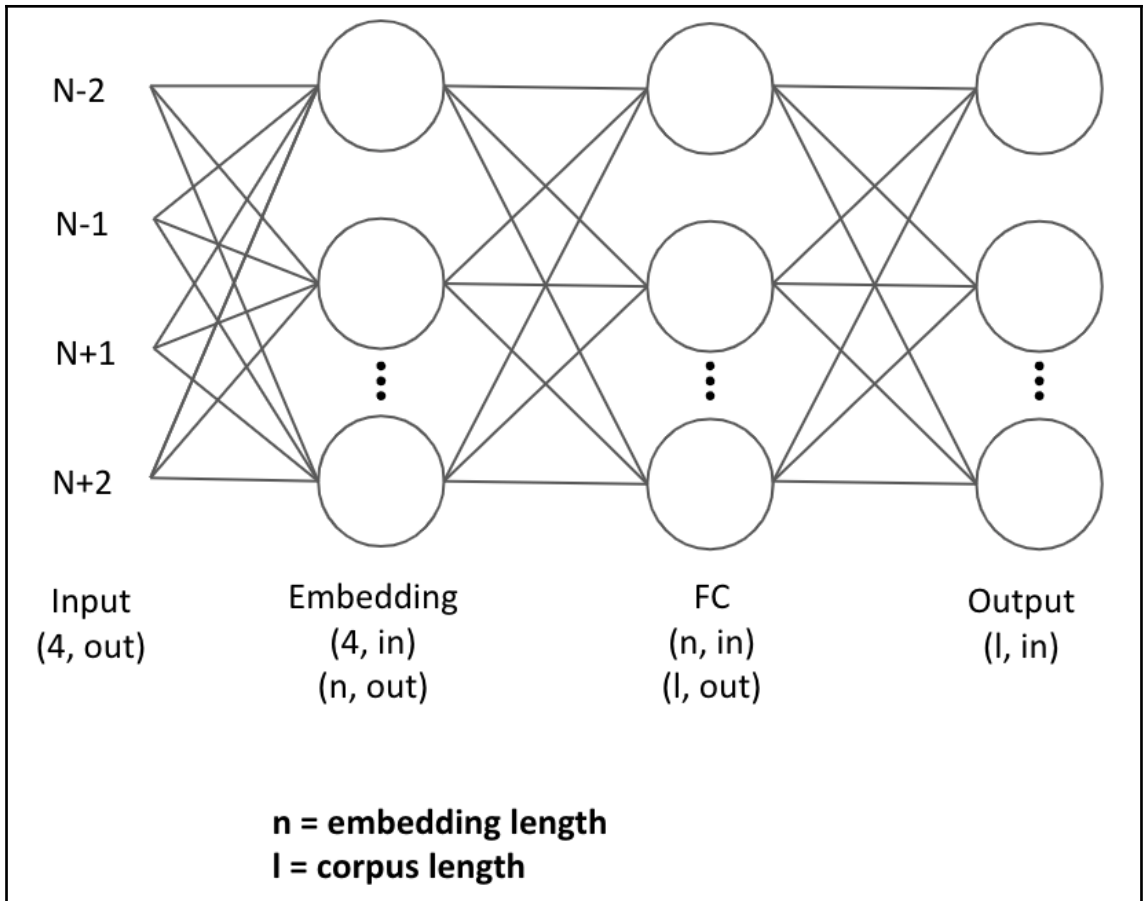
	<b>Predicted Value</b>	<b>True Value</b>
<b>0</b>	9	9
<b>1</b>	8	5
<b>2</b>	2	2
<b>3</b>	4	4
<b>4</b>	1	1

---

## Chapter 3: NLP and Text Embeddings

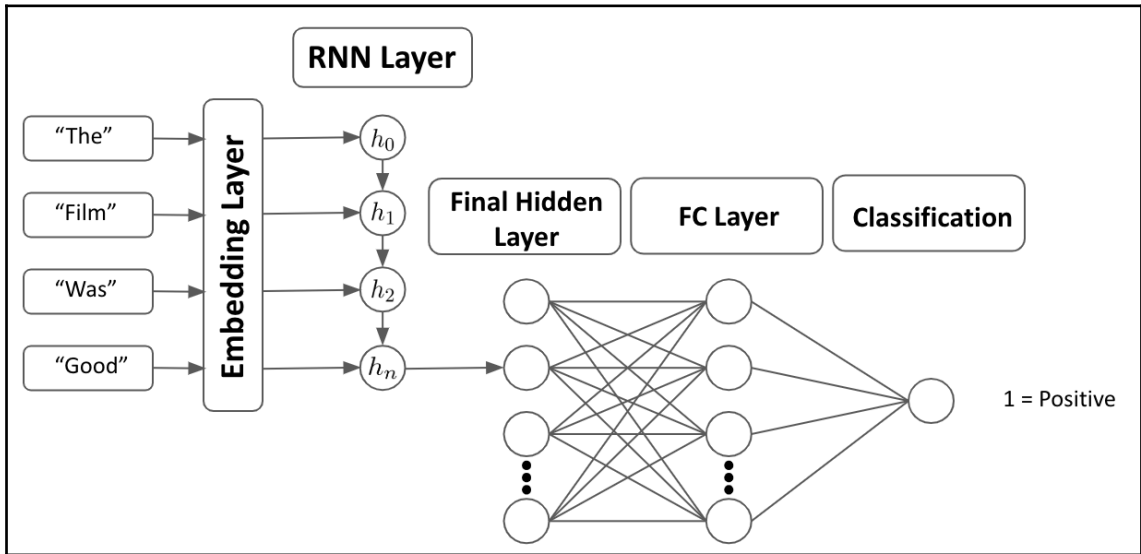


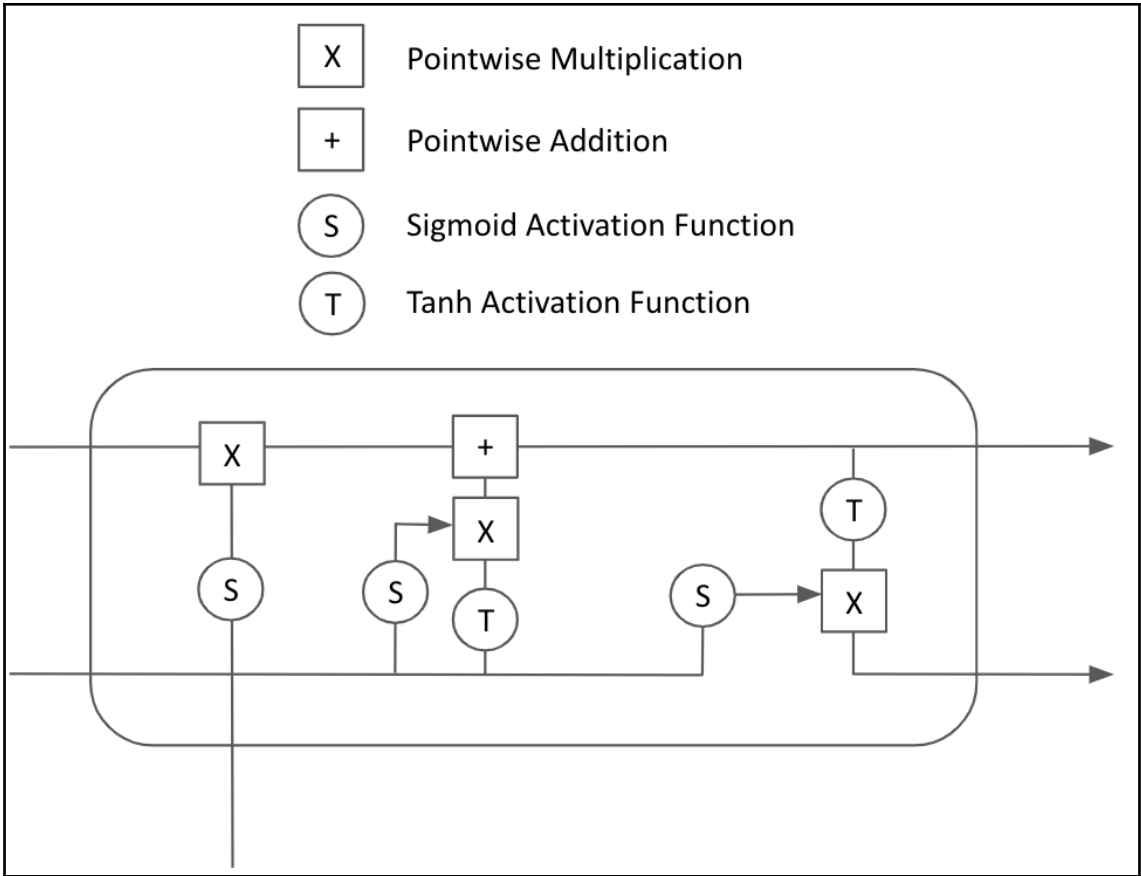


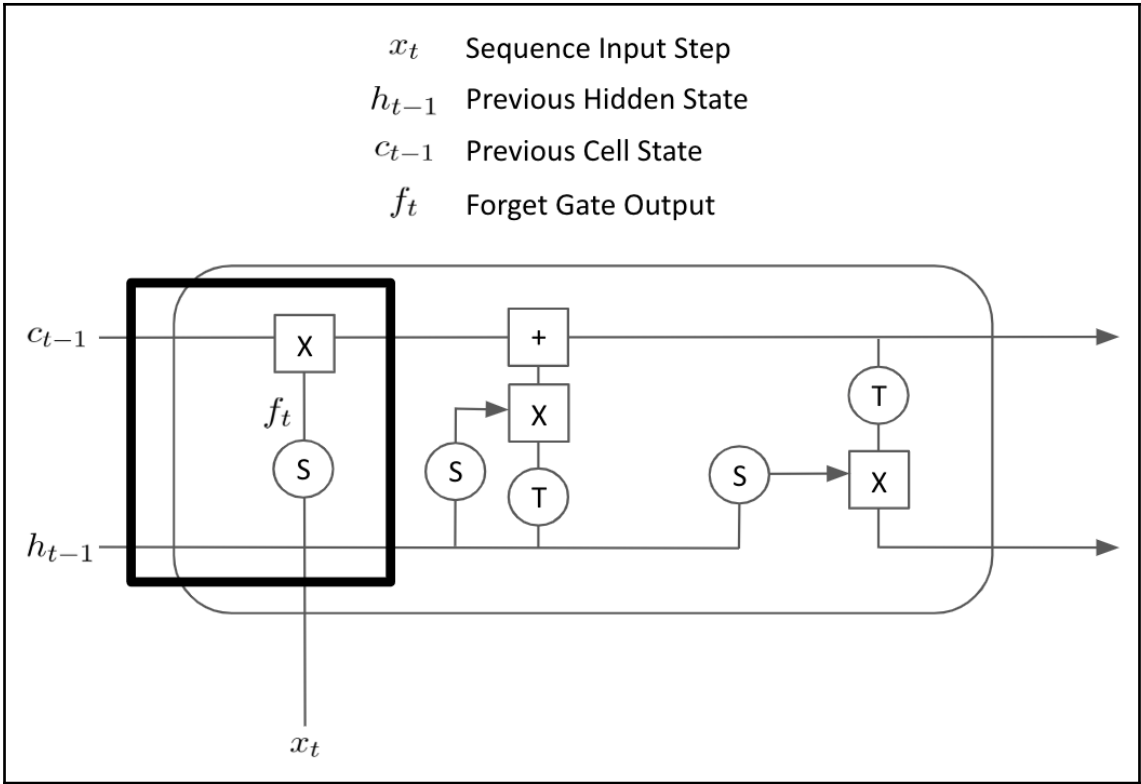


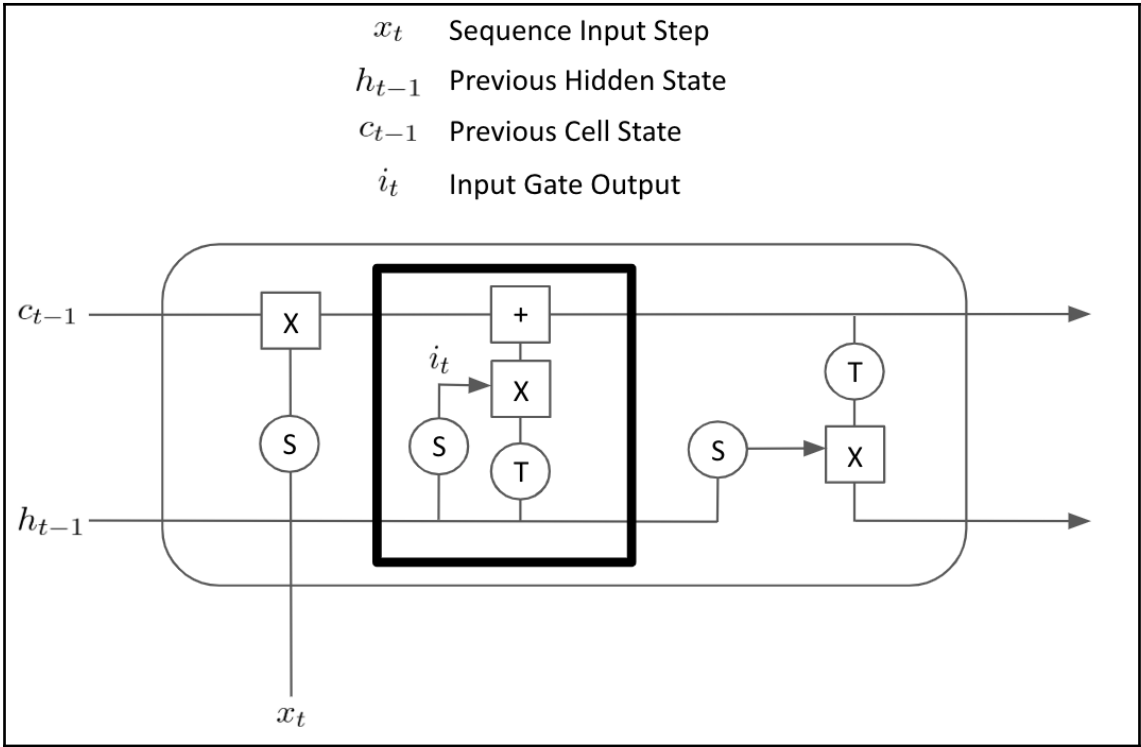
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# Chapter 5: Recurrent Neural Networks and Sentiment Analysis

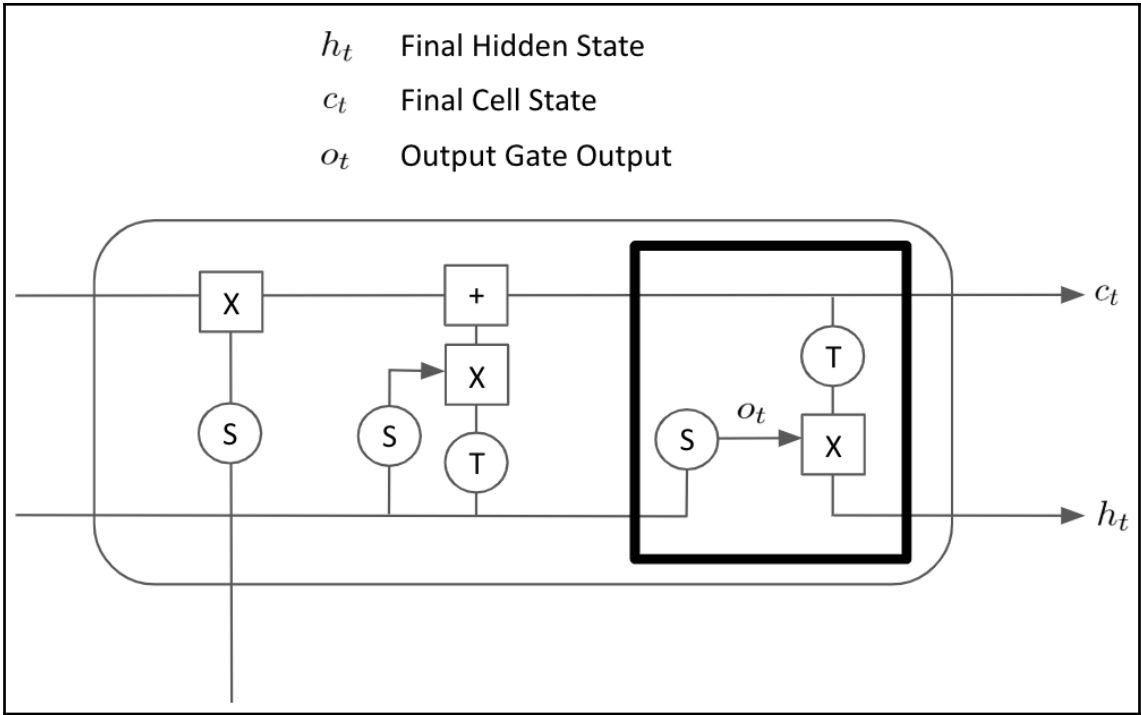


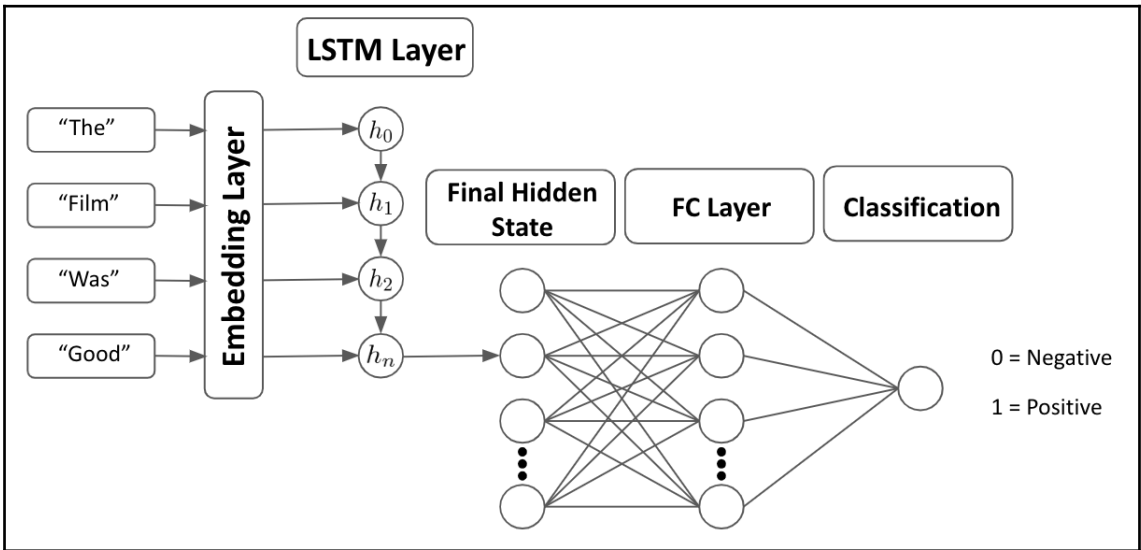
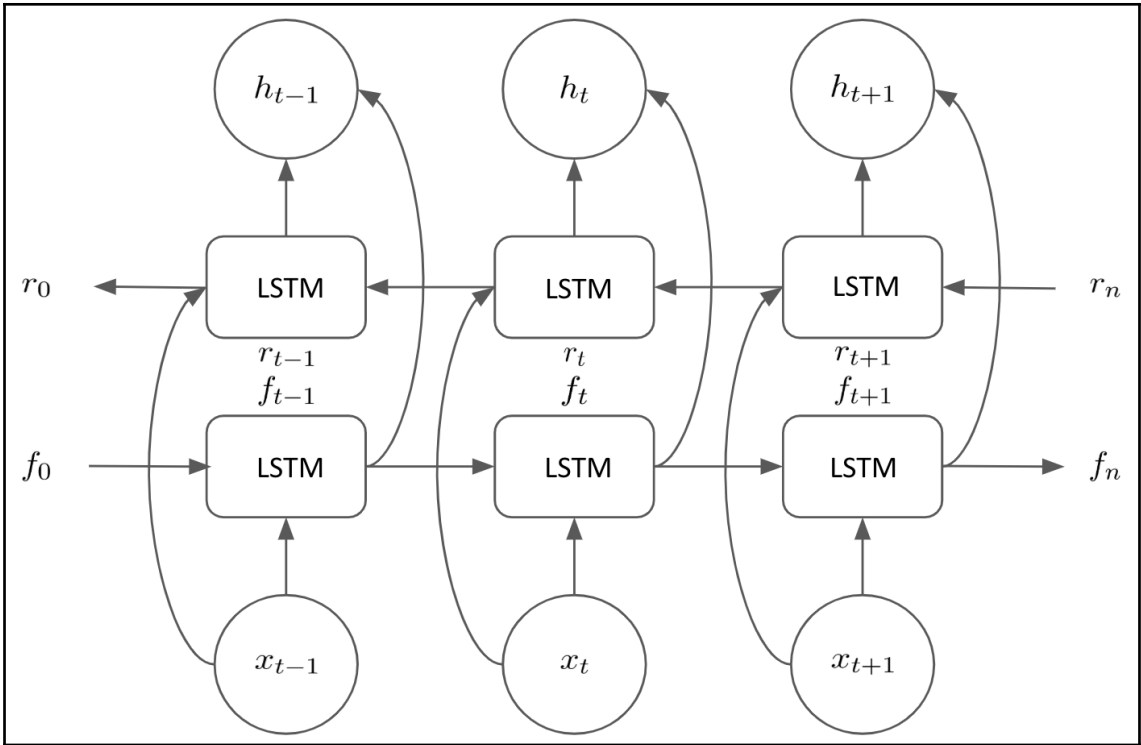






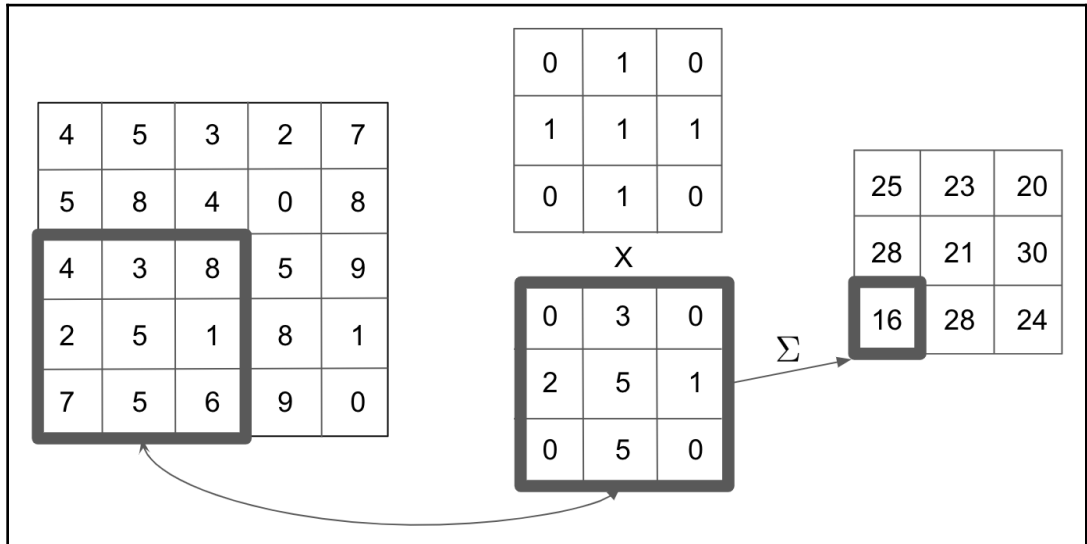
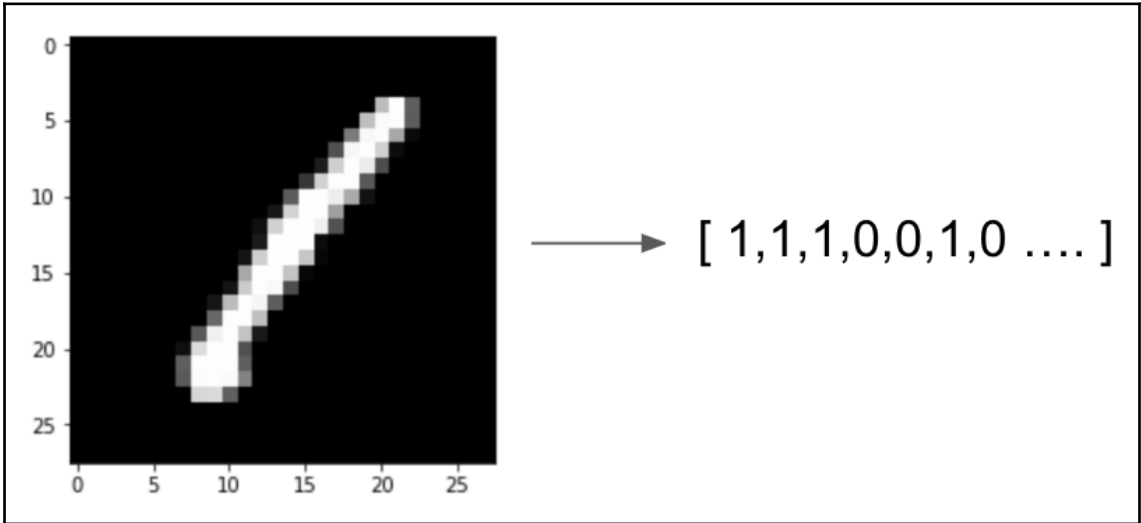


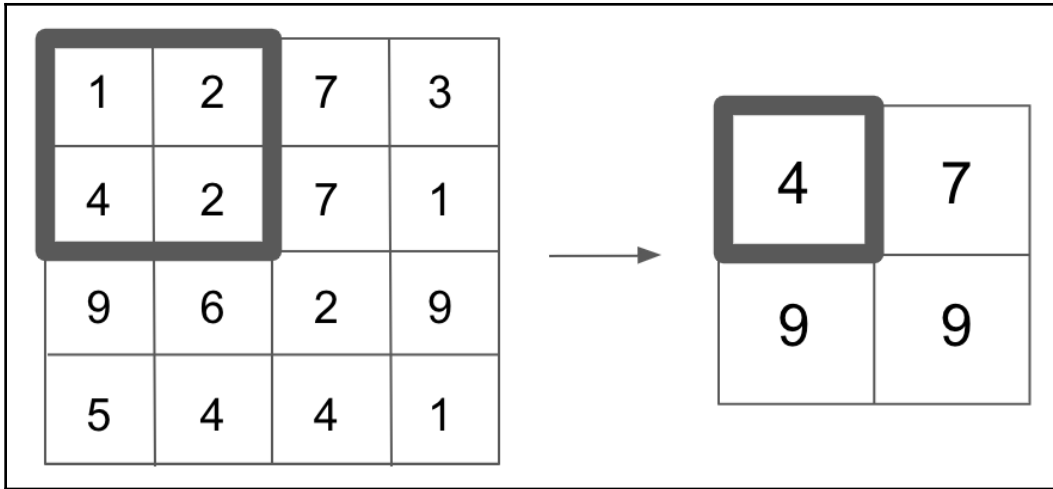




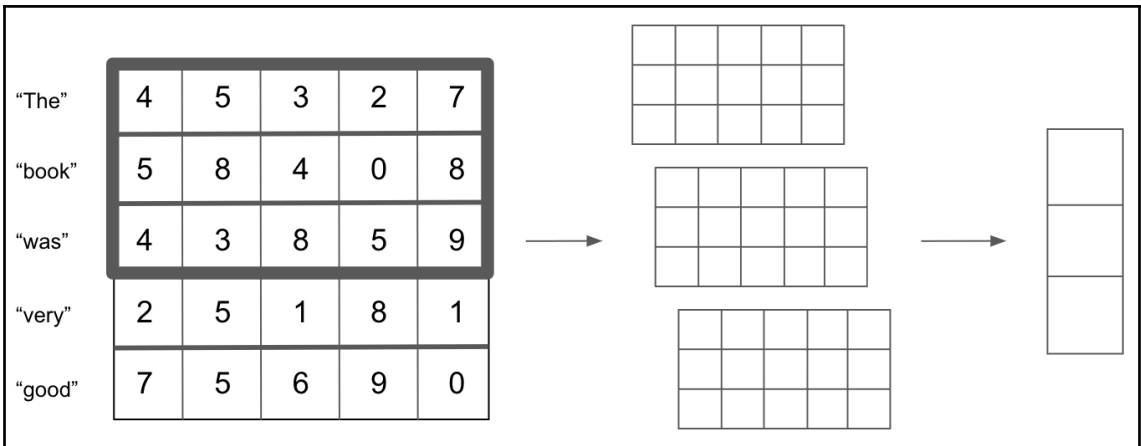
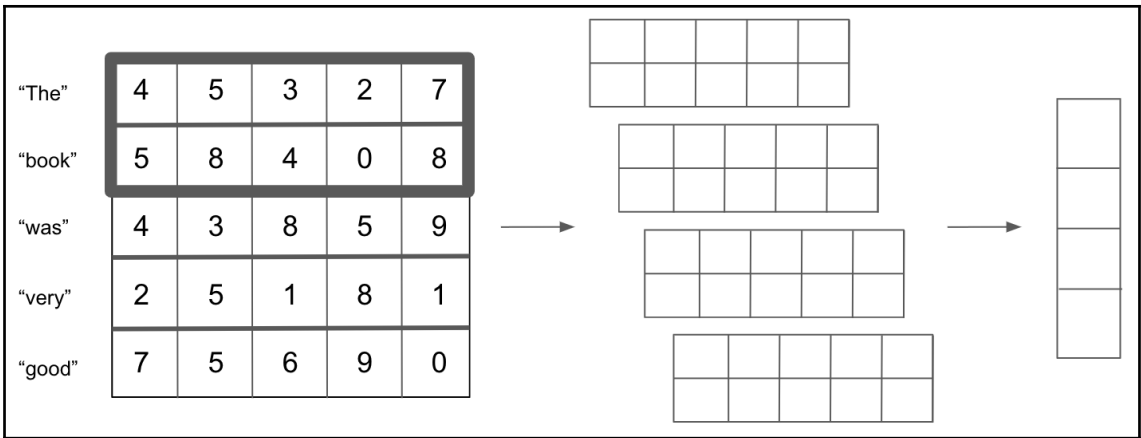
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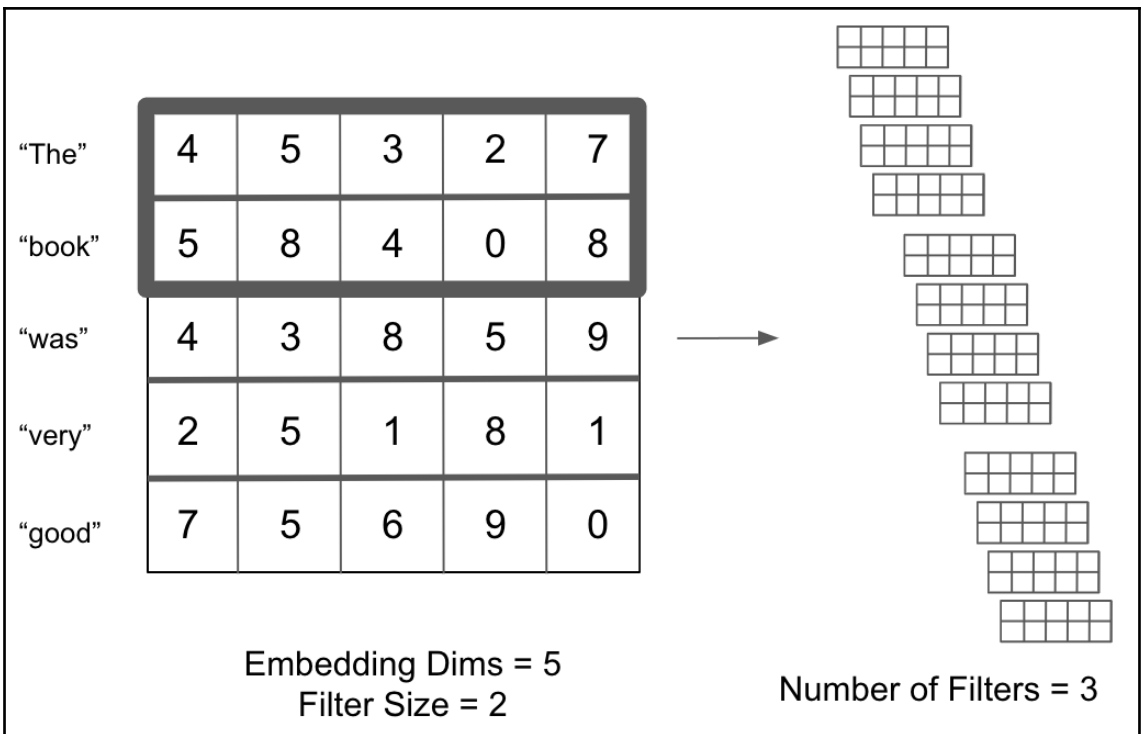
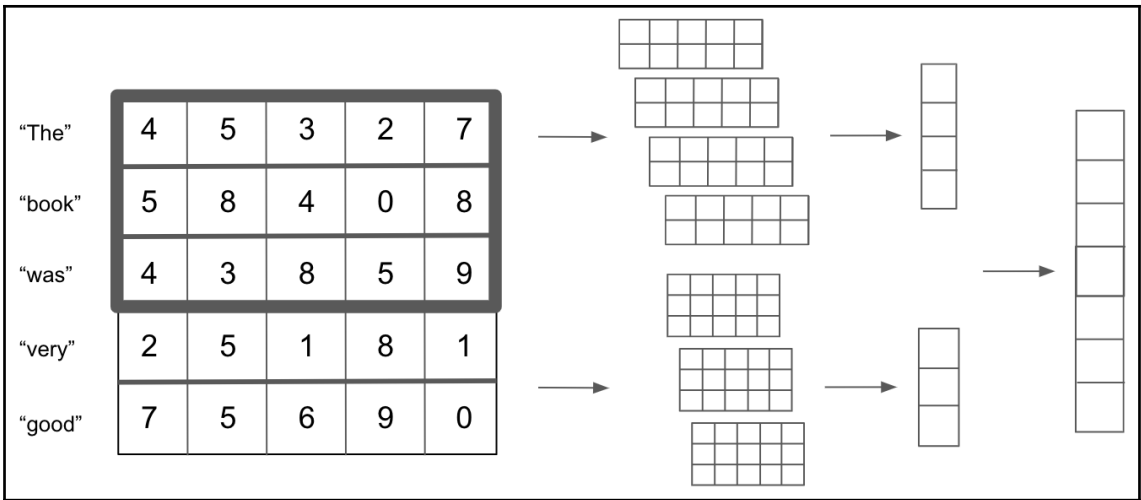
# Chapter 6: Convolutional Neural Networks for Text Classification





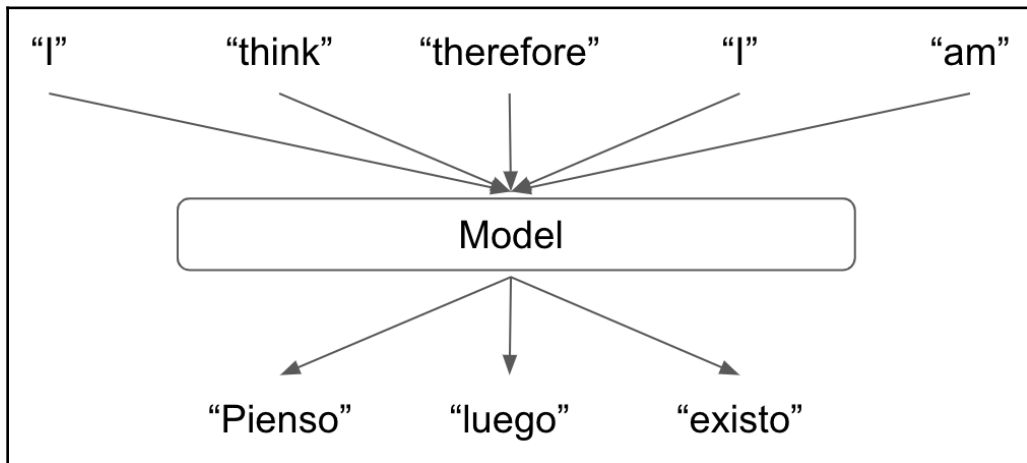
"The"	4	5	3	2	7
"book"	5	8	4	0	8
"was"	4	3	8	5	9
"very"	2	5	1	8	1
"good"	7	5	6	9	0

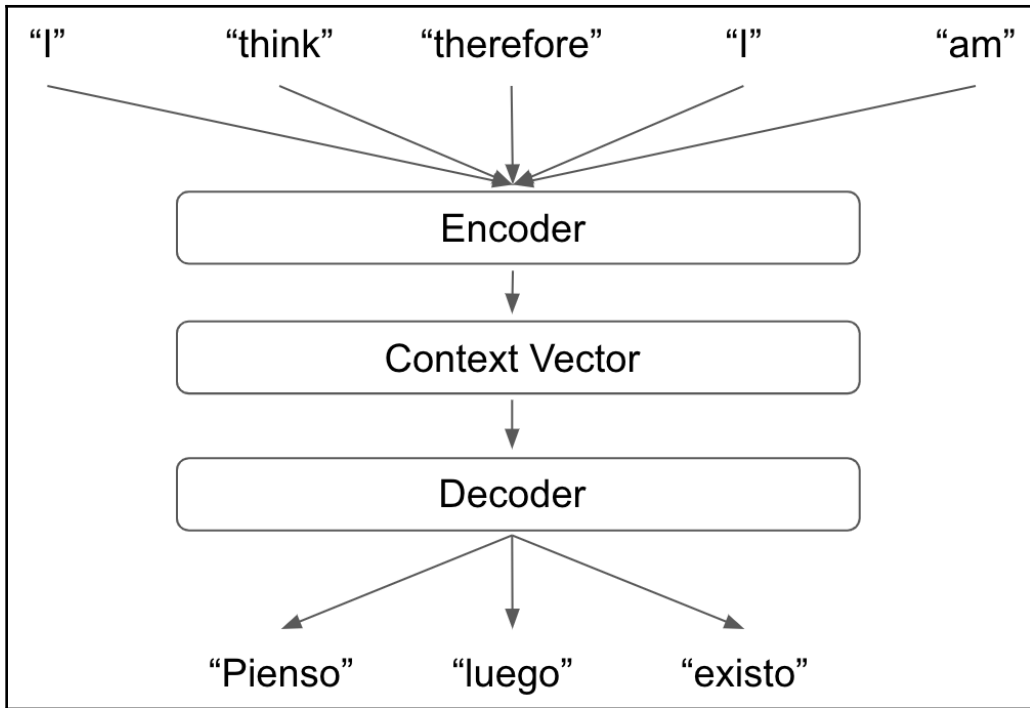




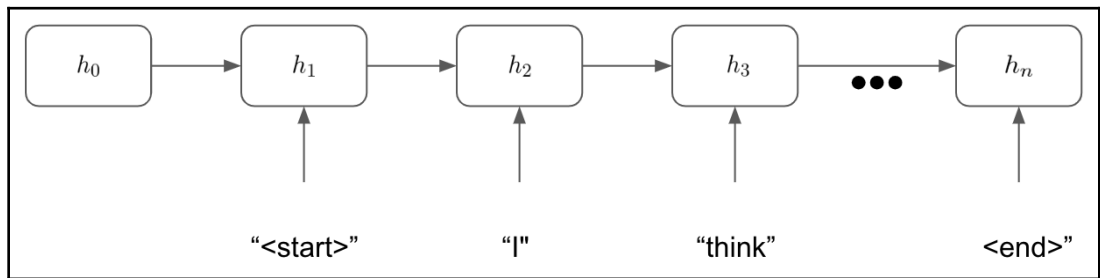
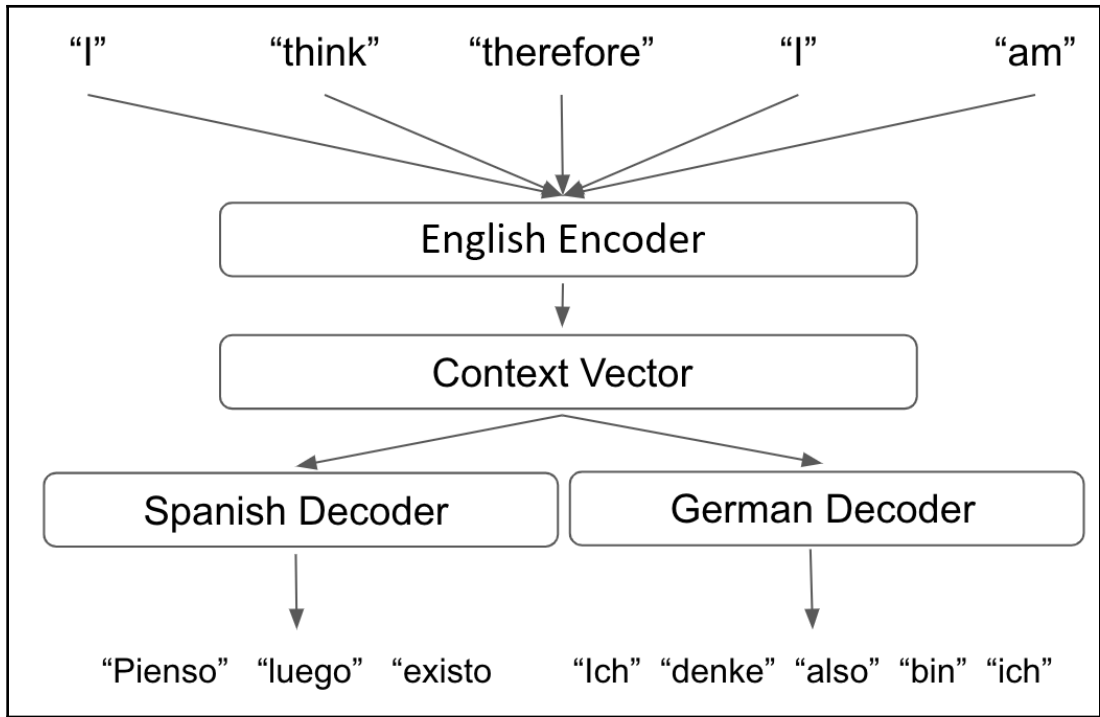
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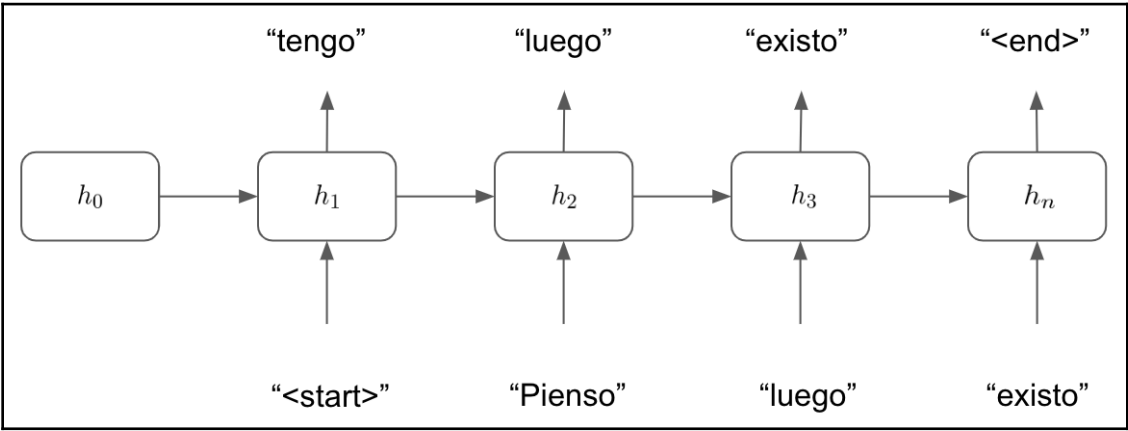
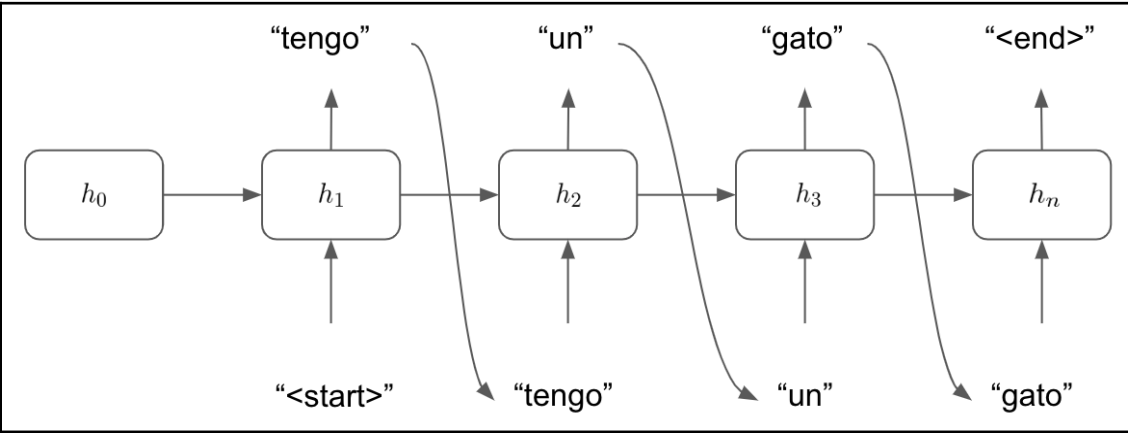
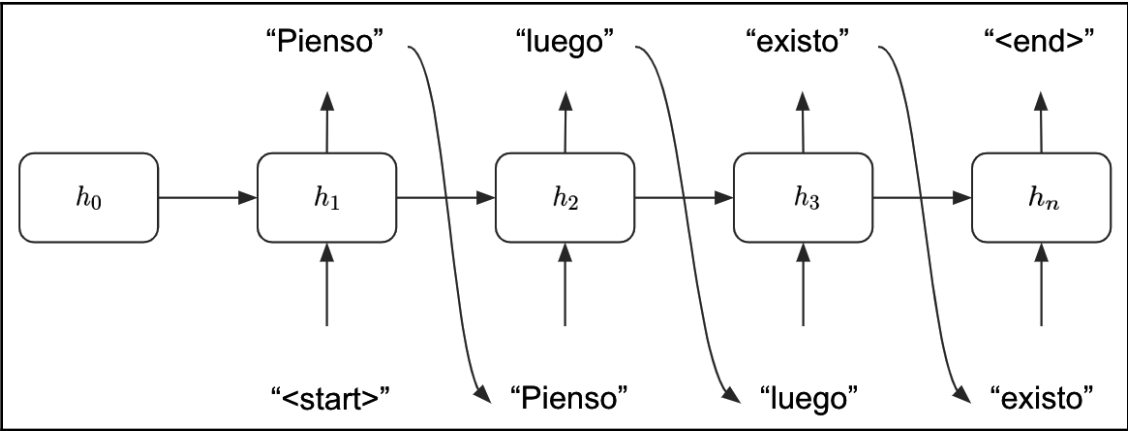
## Chapter 7: Text Translation Using Sequence-to-Sequence Neural Networks

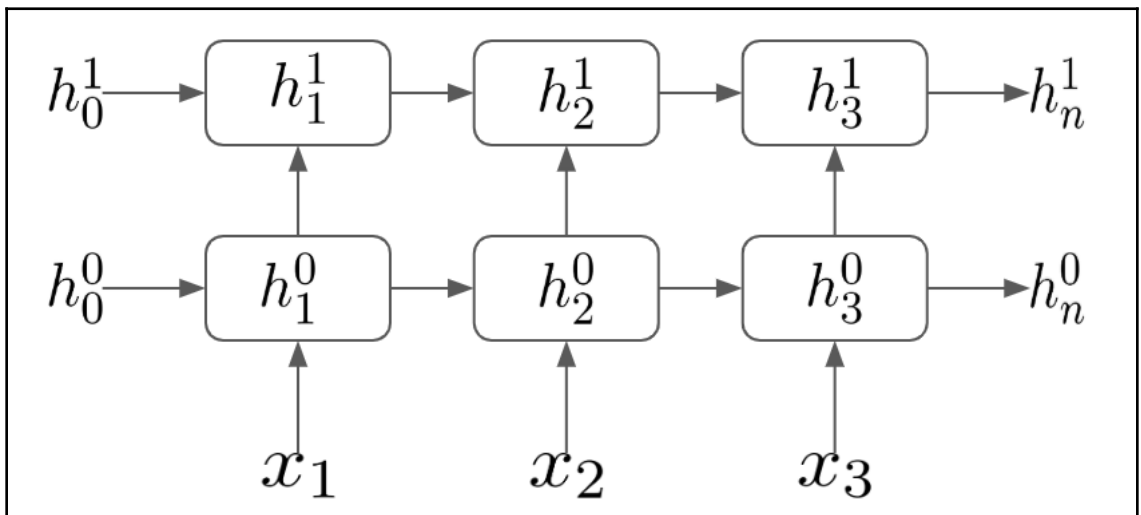
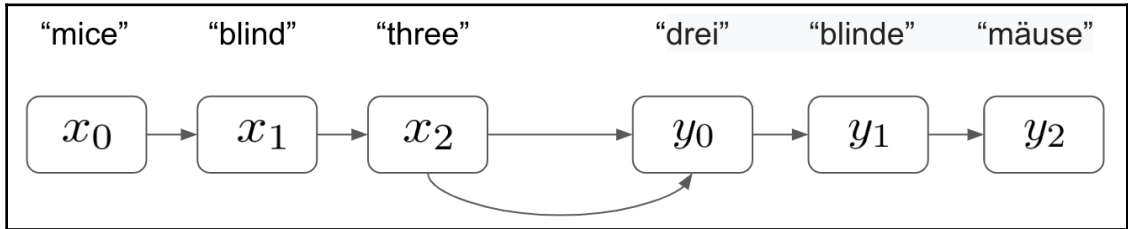
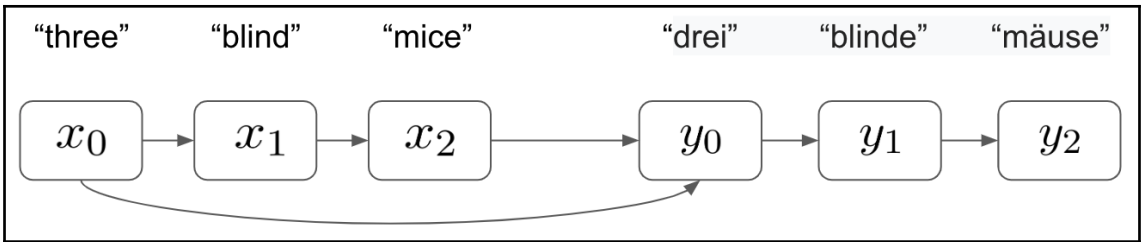


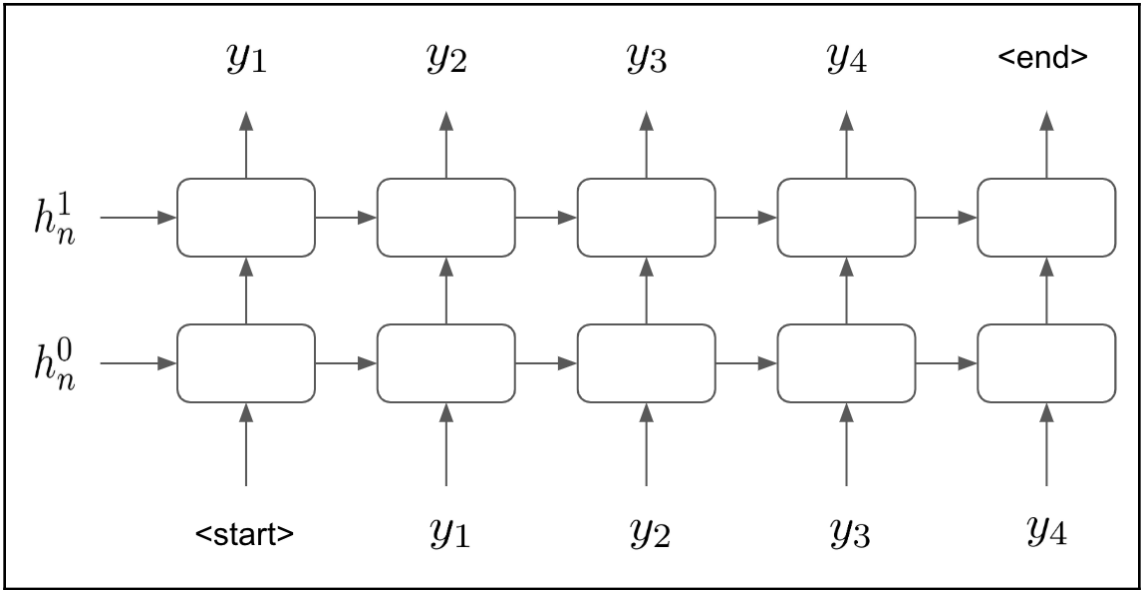






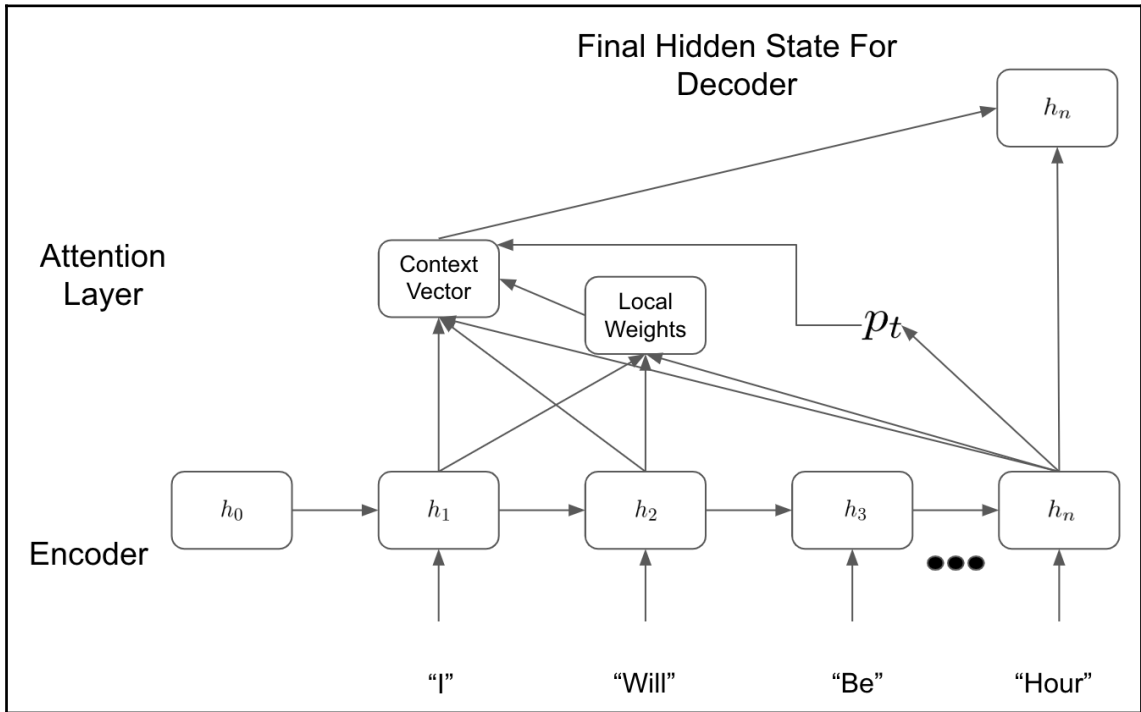


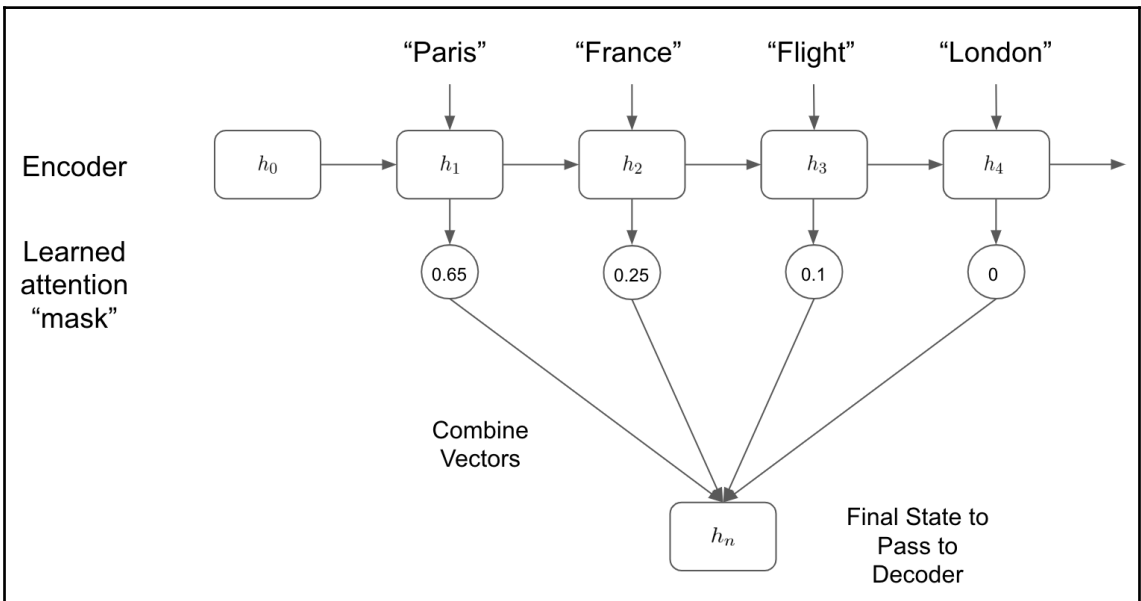
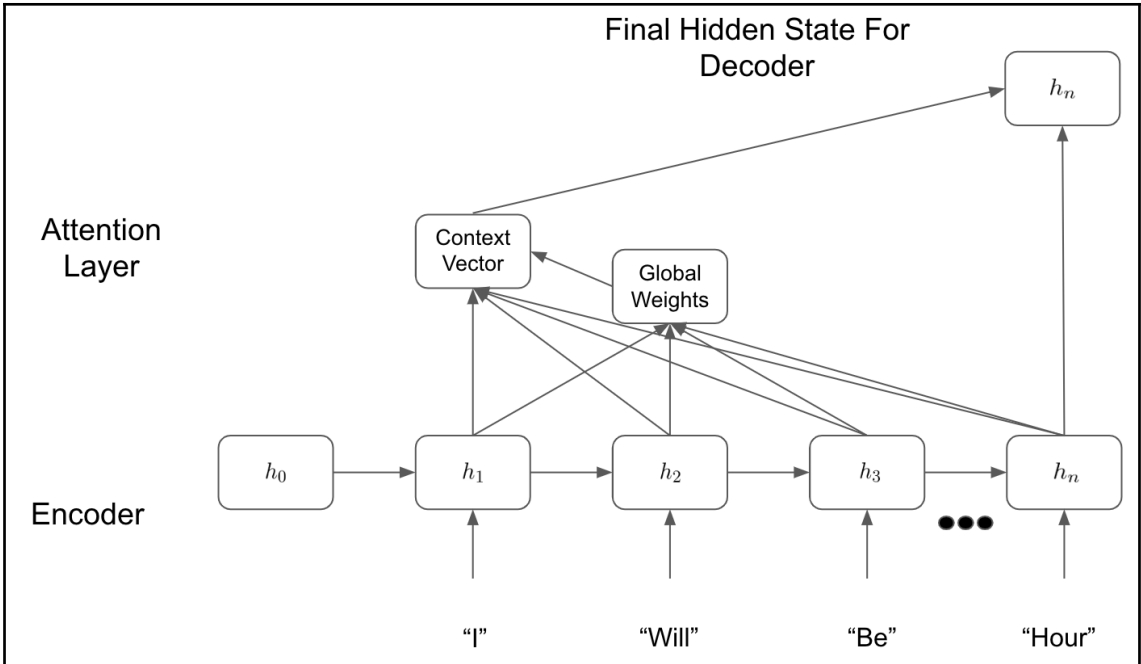




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# Chapter 8: Building a Chatbot Using Attention-Based Neural Networks





# Chapter 9: The Road Ahead

