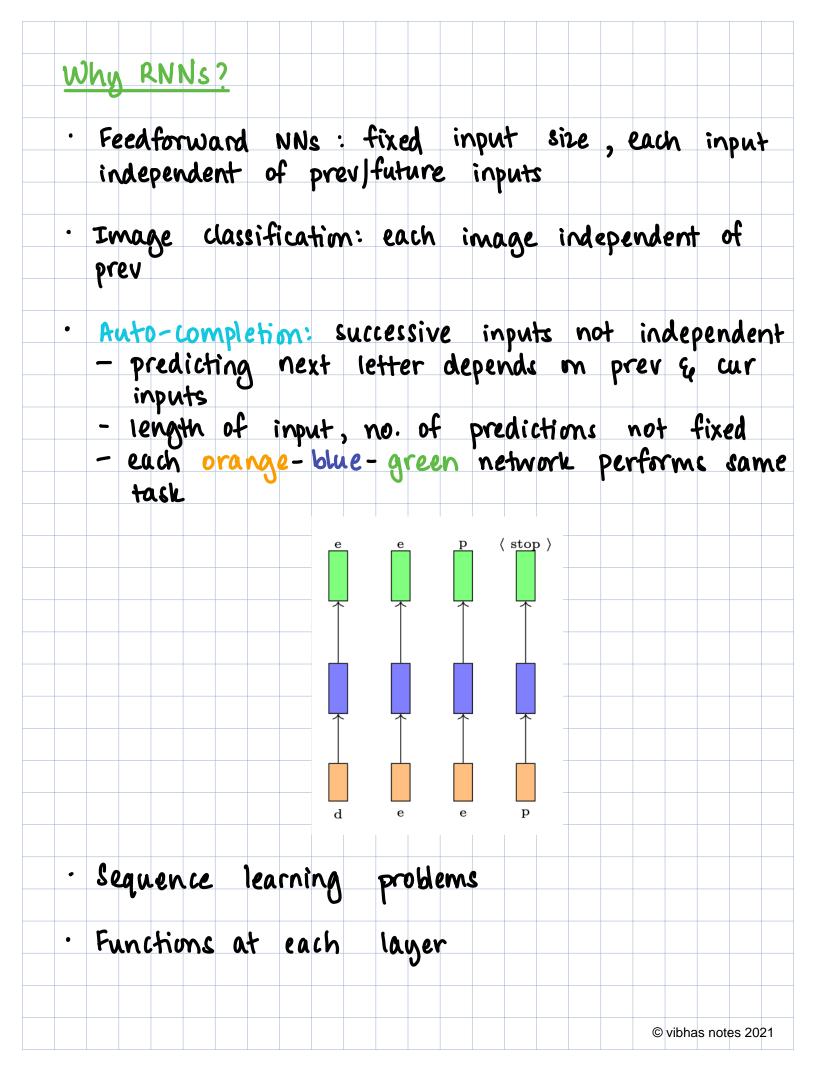
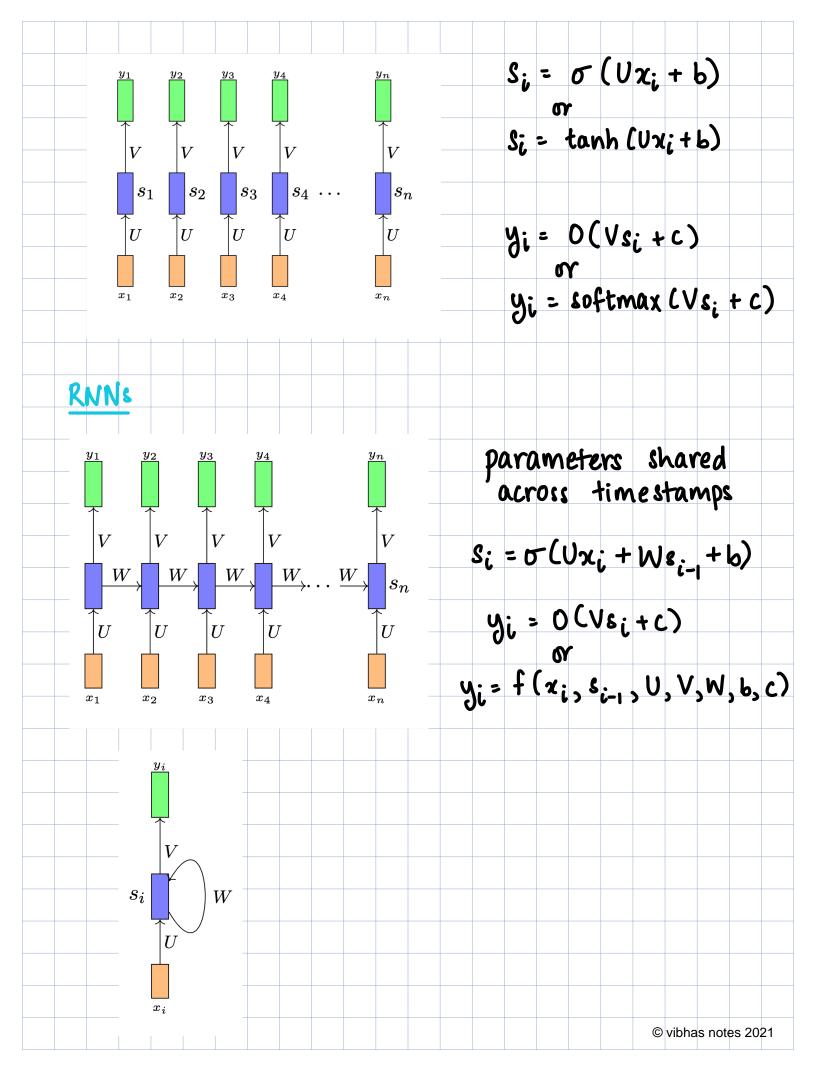
## MACHINE INTELLIGENCE UNIT-5

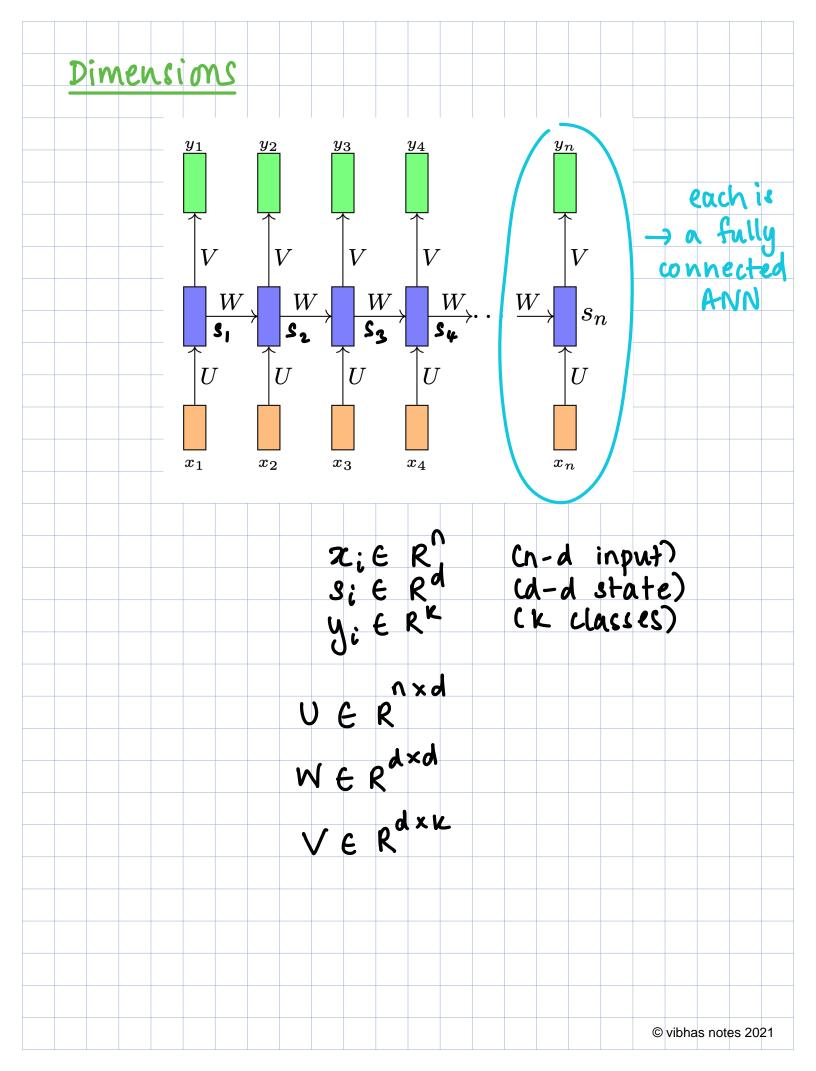
**RNNs** 

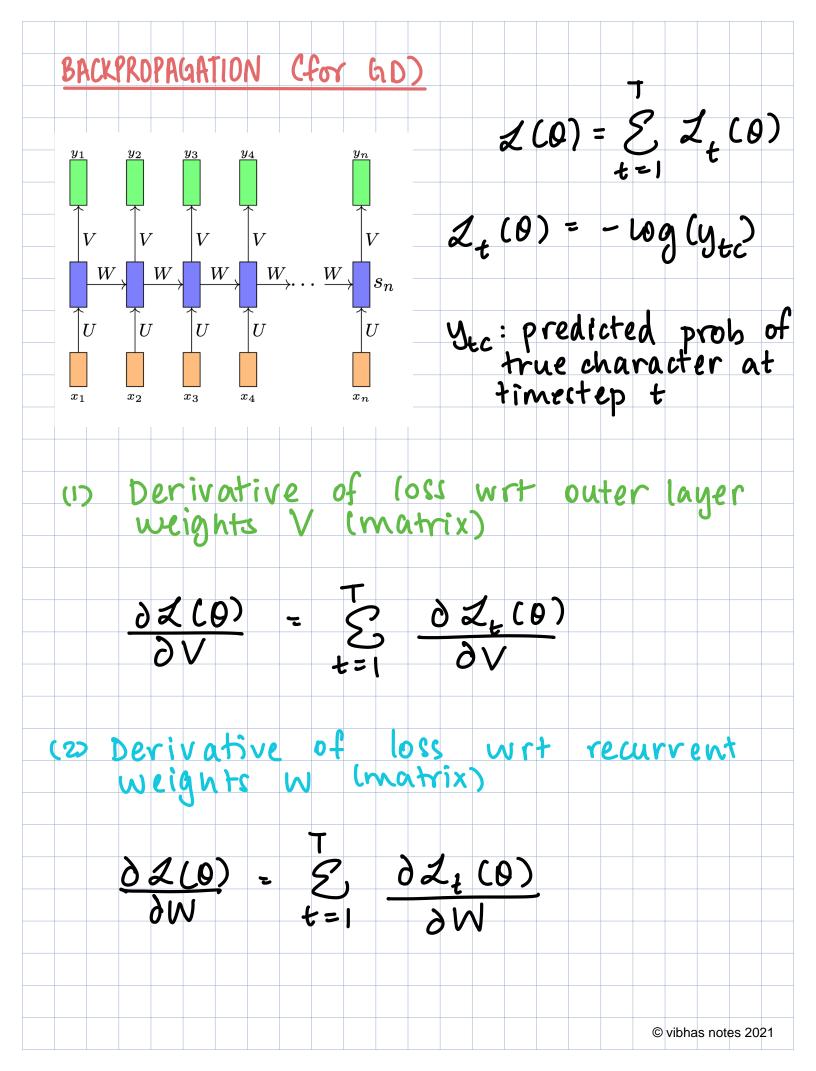
feedback/corrections: vibha@pesu.pes.edu

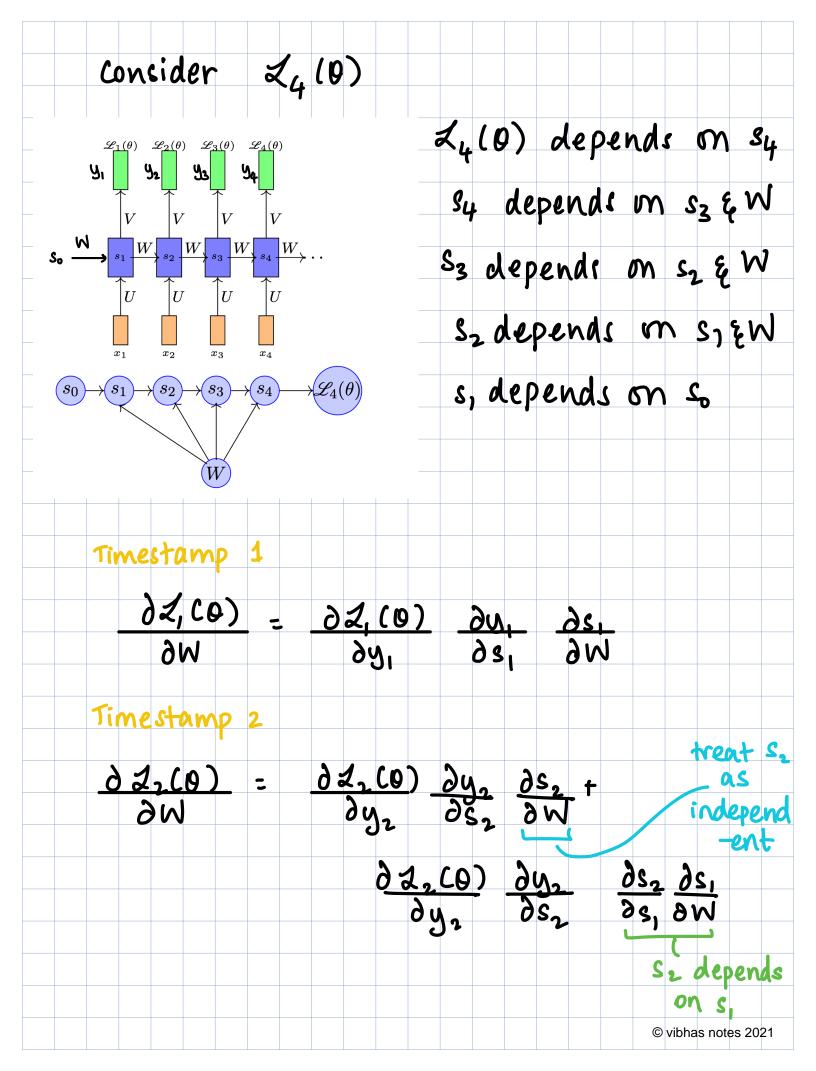
VIBHA MASTI

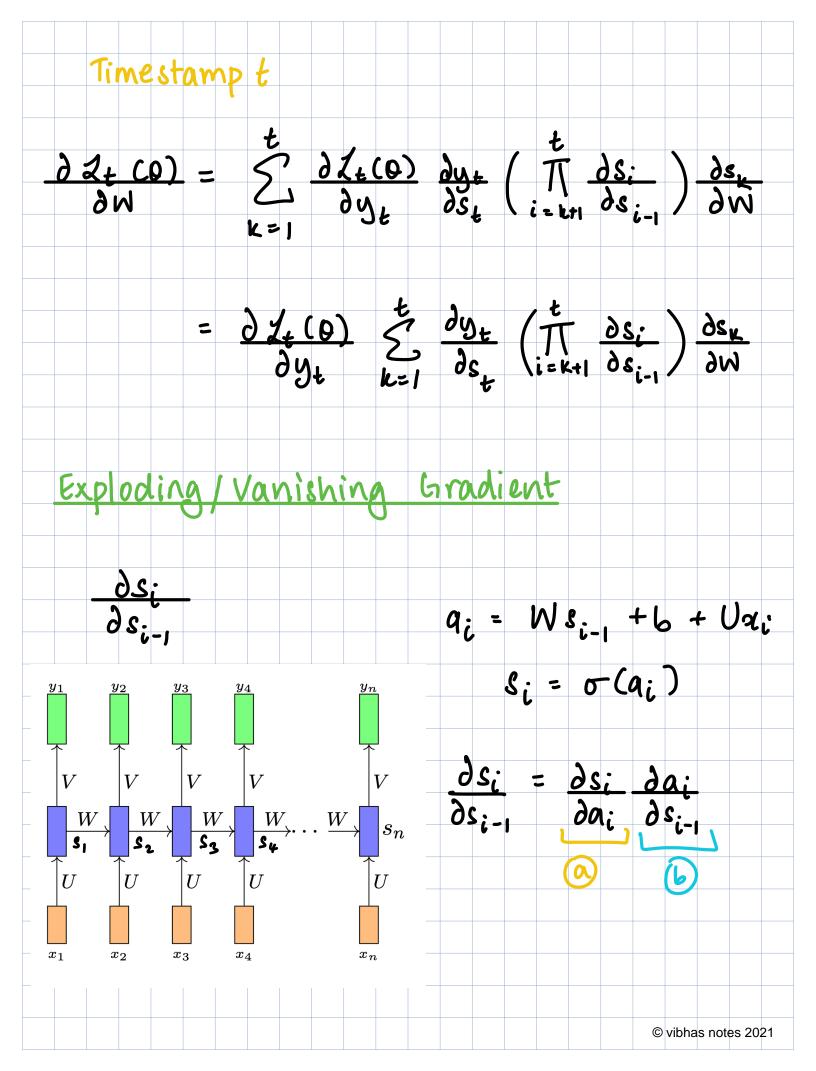


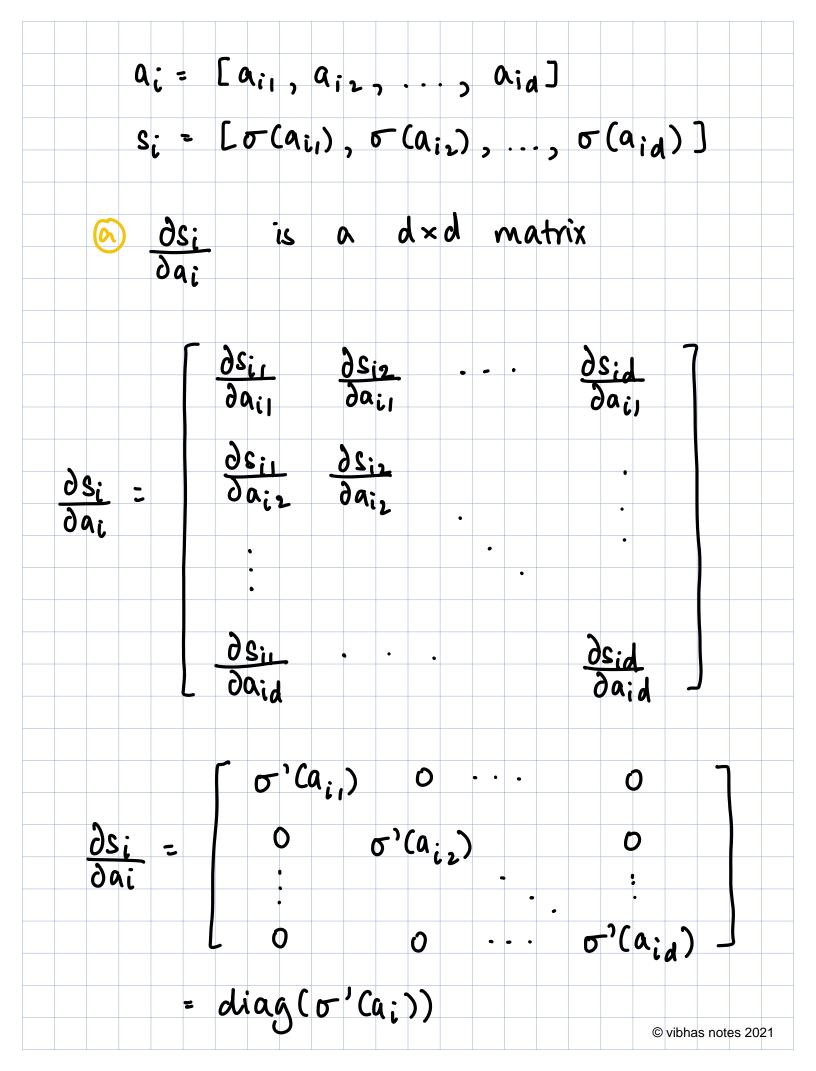




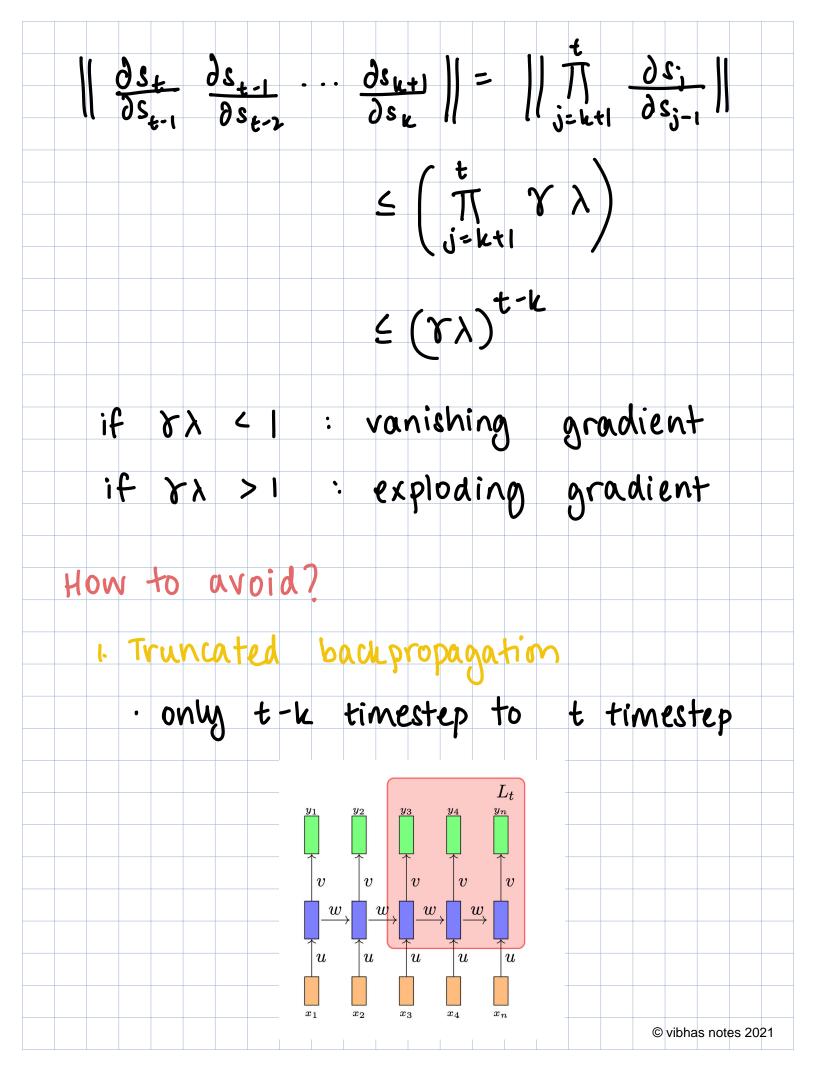


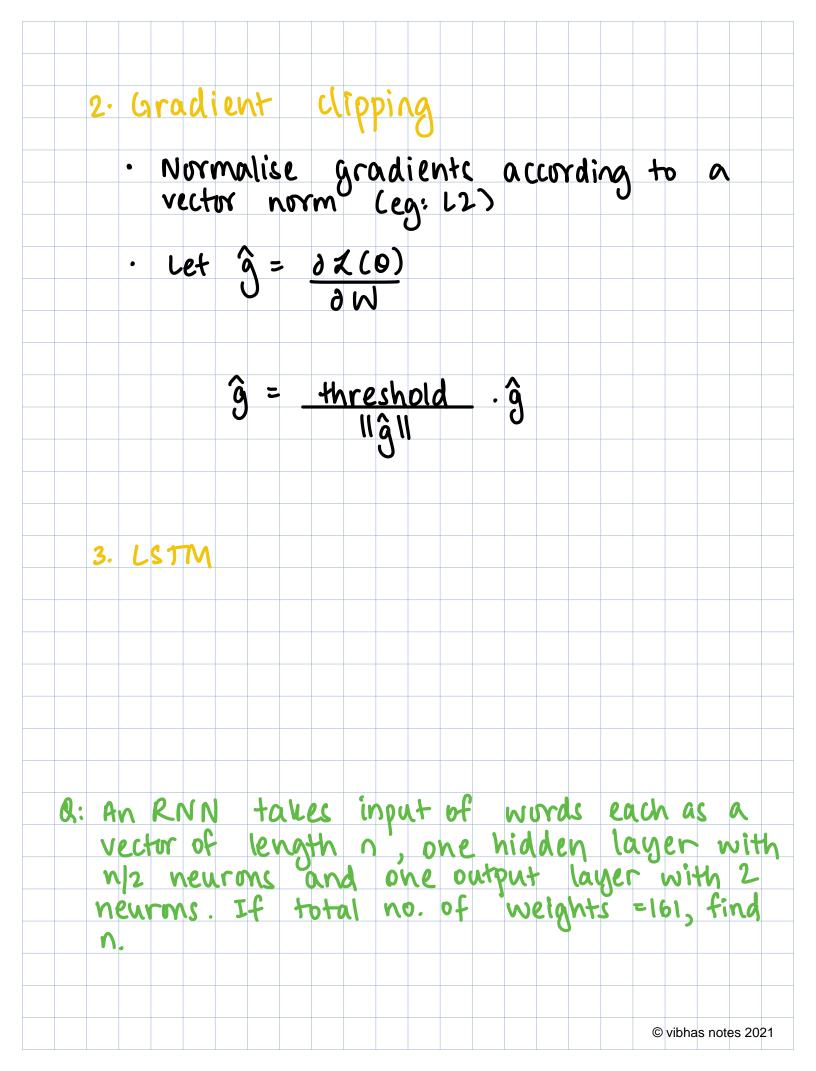


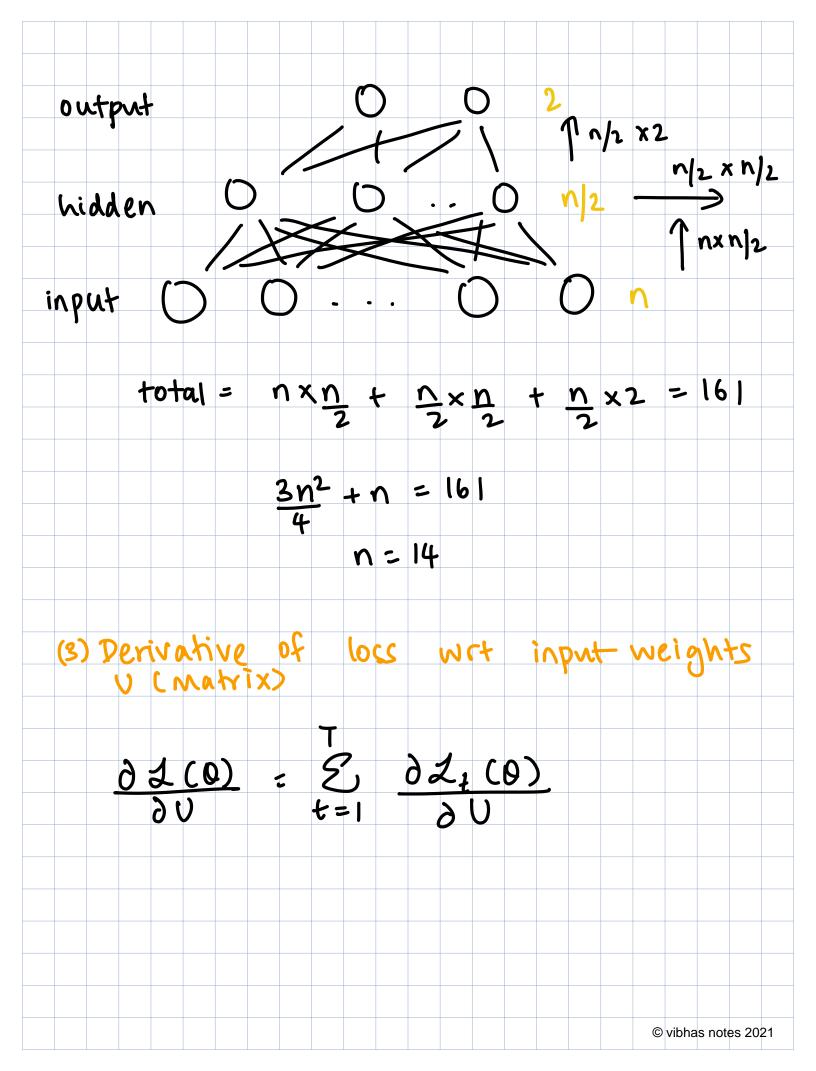


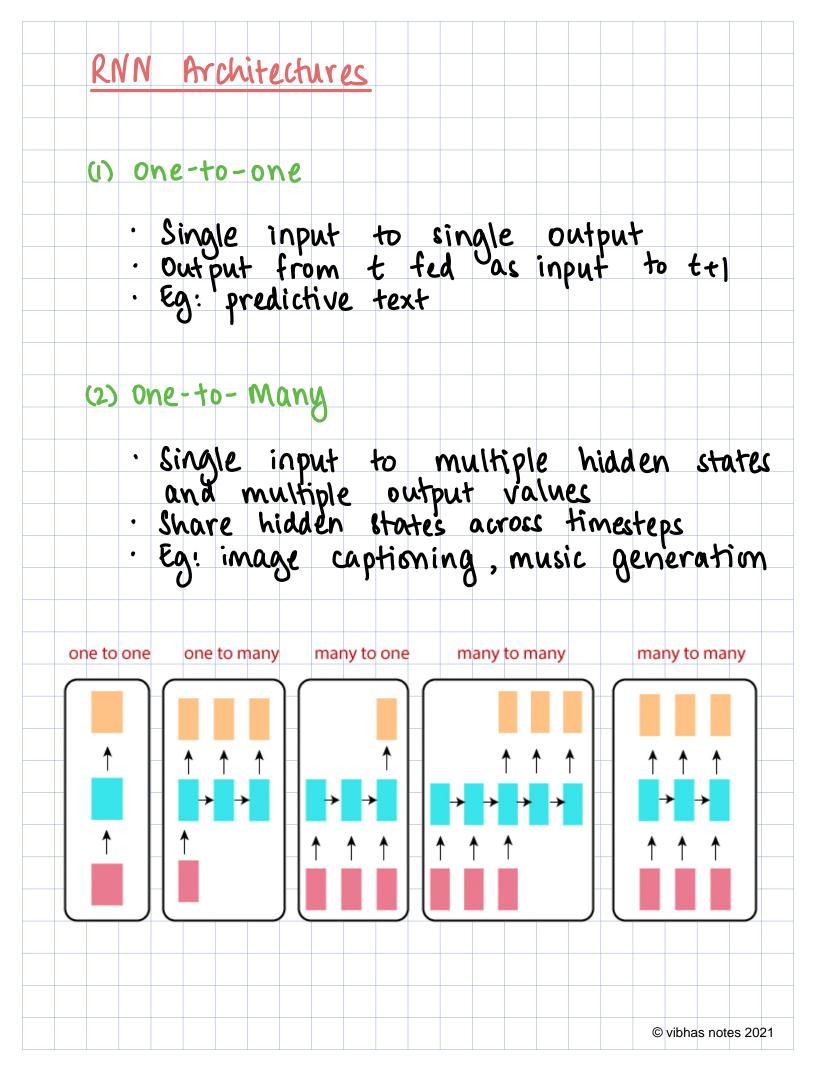


b dai dsi-	9; =	Wsi-1 +b
<u>dai</u> = dsi-1	W	
Magnitude	of <u>dsi</u>	
o (Cai)	<u>&lt; 1</u> = 8	(sigmoid)
σ'(α;)	٤ 1 = 8	(tanh)
<u>35i</u>	11	σ'(a;)) W
		(5)(ai))      W
		© vibhas notes 2021









(3)	M	ar	N	-+	<b>D</b> -	Ov	ne										
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(4)	M	ar	M.	-+	0 -	· N	lai	ny									
	•	Tv	1Pv	1	0	f	QY	id	40	ıry	16	Ng!	th,	bw <sup>2</sup>	rpu	<del>}</del>	of
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