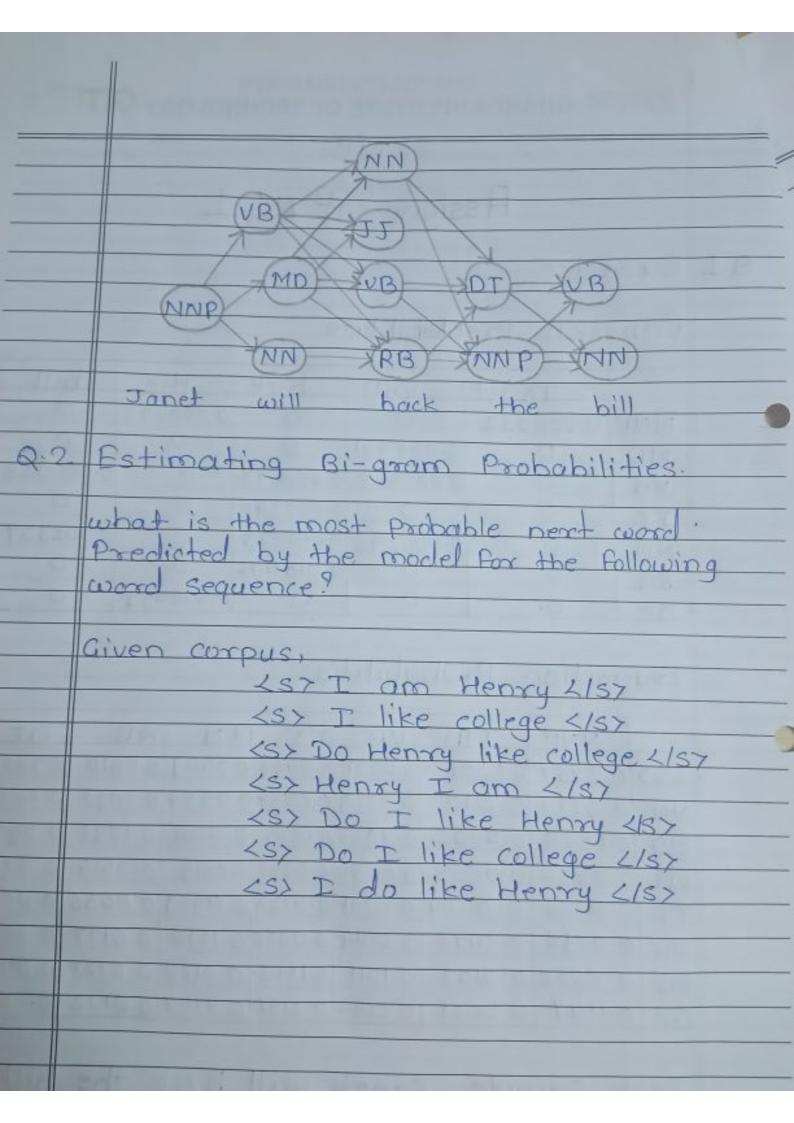
		GHARDA FOUNDATION'S  GHARDA INSTITUTE OF TECHNOLOGY GIT RESTRICTED OF TECHNOLOGY  Experiment No.  Date:											
		Assignment No											
_6	1 8	re	eccise	٥,	-	7077	701						
	E	ബ്	ssion	Pre	be	shilitida	es.						
		110	The second	ranet		will	bac	k		20	b	illi	
-			0.000	0032		0	0		0.000	048	(	2	
	M	1	0			30843)	m.0006	70	0		0.000028		
	1	-	0			0	0.00034		10000		0		
	NI	V	6		0.0	00200	0.00022		0		0.00	2337	
4		RR O				0 0.010446		46	0			0	
	DT	DT 0				0	0		0.506	Pec		0	
	Tar	203	sitio	n Pa	oh	abilit	ies			7.11	1,63		
P			NNP	m	D	VB	JT	N	N	RB		DT	_
	(3)	0.	2767	0.000	6	0.0031	0.0453	0-	0449	0.05	10	0.2026	1
	NNE	0.	3777	0.011	0	0.0009	0.0084	0.1	0584	0.00	90	0.0025	Ц
	MD	0.0	8000	0.006	2	0.7968	0.0005	0.	0.008	0.16	98	0.0041	
	VB	0.0	322	0.000	5	0.0050	0.0837	0	6615	0.03	514	0.223	1
	JT	0.0	0366	0.00	04	0.0001	0.0733	0.	4509	0.00	036	0.003	6
	MN	0.0	096	0.01	16	0.0014	0.0086	0	1216	0.0	177	0.606	8
	RB	0.0	0068	0.010	2	0.1011	0.1012	0	-0120	0.0	728	0.047	9
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	Tes	+	San	ople	١ ٦	onet	will		back	< ±	he	hill	
				_	Page								

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		ED SHARDA GI	GHAR HARDA INST	DA FOU	NDATION'S OF TECHNOLOGY GIT
		Experiment No.		-	Date :
		word	Exeque	ency	No. of the last of
		<b>LSY</b>	7		
			7		
		T	6		
		am	2	-93	
	-#	Henry	5		
	$\parallel$	College	3		The Park of the Pa
~	+	like	5		Transfer and the second
2		do	4		
			-		
		1) <s> T</s>			FEE THE SERVICE
	1	Next wa	rd Pred	iction	Probability Wi-1=do
	-			1	
	-	Next	word	P	robability Next word
	-	PCKISYI	do	10 Line	0/4
		P(XI)/	do		2/4
		P(Kam)	(do)		0/4
		PKHene			1/4
		P(Klike)	(do)		1/4
		PKcolle			014
		P(Kdo) 1	100	-	014
	1	1 5007/6	702	1	
			T 10		0 1 11
			LIST	nore	Probable
				-	0
	2	XSY I	like H	enry	?
	1	vext wor	d Predi	ction	Probability Wi-1= I like Henry
					Tlike Henry.
		6-131 3-10	and the		
		1 1			

Page No

(1)
17
2)
===

4) (s) Do I like college? (use four-gram)
Next word Prediction Probability wi-3=I wi-2=like
wi-1=College

Page No. :

	GHARDA FOUNDATION'S  GHARDA INSTITUTE OF TECHNOLOGY GIT
	Next word  Probability Next word  P(x/sx/I like college)  P(xI x/I like college)  P(xamx/I like college)  P(xamx/I like college)  P(x Herry x/I like college)  P(x college x/I like college)  P(x college x/I like college)  P(x dox/I like college)  O(2)  P(x dox/I like college)  O(2)
7	-:  is more Probable
	which of the following sentence is better i'e acts a higher probability with this
	1) <s> T like college  = P(T/(S&gt;) × P(like/T) × P(college/like)  × P(×/S&gt;/college)  = 317 × 316 × 315 × 313  = 9/170 = 0.13</s>
	2) <57 Do I like Henry 2/37 = P(Do/ (57) × P(I/Do) × P(like/I) × P(Henry like) × P(/Henry) = 3/7 × 2/4 × 3/6 × 2/5 × 3/5 = 9/350 = 0.0257  First statement is more probable
	Page No.:

			FUSIL	Matrix		
-0	3 Fraiss	sion Prol	pability	Matrix	-	-
	that Girl Smiles State		0.00 0.015 0.000	4 0.20		
	Jacob		1021			
		DT	NN	VB		
	<b>45</b> >	0:50	0.40	0.1	rioni (a)	
	DT	0.01	0.99	0.00		
	NN	0.30	0.30	0.40		
	VB	0.40	0.40	0.50		
	Tool	Dala 10	2 10 0	03-1-0	1100 110	
-4	II .	Dorta KS POS T				_
1	10179		499119	Osing		
	PCV	vilwi-1) -	Cour	it (wi-	(imi)	
				count (u		-
	that	Girl	Smiles			
-11	DT	DT	DT		-	
	NN	NN	NN	T ALL		
	VB	VB	VB			
		3×3×3=2	27 ways			
				13-4		
				1133		

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	Experiment No.	GHAR HARDA INST	DA FOUNDAT	TION'S FECHNOLOG	Y GIT STANDA PROTITUTE OF TECHNOLOGY
		PT	TOT	DT	
	stort(s)	(NN)	NIN	(NN)	(ENDCIS)
		(VB)	NB)	NB	
	P(92/X2		(x2/90)	X P(921	91)
	START	(DT)	P (tha	1 that , < 57 + 10T) x PC	DT/LS>)
		that xz	-	71	
(3	91 Start	92 (NN)	PCH	V 1 that, at (NN)x 00 x0.4	P(NN/KS7)
		(that)			
S	qi start)	92X2 VB		B (that) hat IVB)	XS>) XP(VB YCSZ)
	C C	that X2	0	.00 X A	11=6
bi	obabilit		nat" wo	rd is lon	ge for
		Page No. :			

	1		
	oux	previous	Probability is 0.2
	91	92_	
	DT	DT	O (OT/girl IDT)
		01.1	= P(girl/DT) xP(DT/DT)
		9171 X2	=0 ×0.01=0
	91	92	
	DT	NN	PCNN/girl, DT)
		girl	= P(girl/NN) xPCNN/DT) = 0.01458 x0.2=0.003
		X2	
	91 DT	92 VB	D.C. I.S. I. I. I.
	DI	VD	PCVB /girl, DT) = PCgirl/VB)XP(VB/DT)
		girl	= 0-0031 X 0-= 0
		X2	
	RE	sult = c	airl is noun
01	un p	revious	Probability is 0.003
	1	92	1 0.005
10	NH)	XDT)	PCDT/smiles, NN)
	10	smiles)	= P (smiles I OT) x P(DT/NN)
	MEV	X2_	= a x 0.30 = 0
	71	92	
(N	N)	(NN)	P(VB/smiles,NN)
		1	= P (Smiles/VB) x P(VB/NN)
		Smile)	= 0.08 x 0.003 = 0.00024
		Page N	0.:
11			

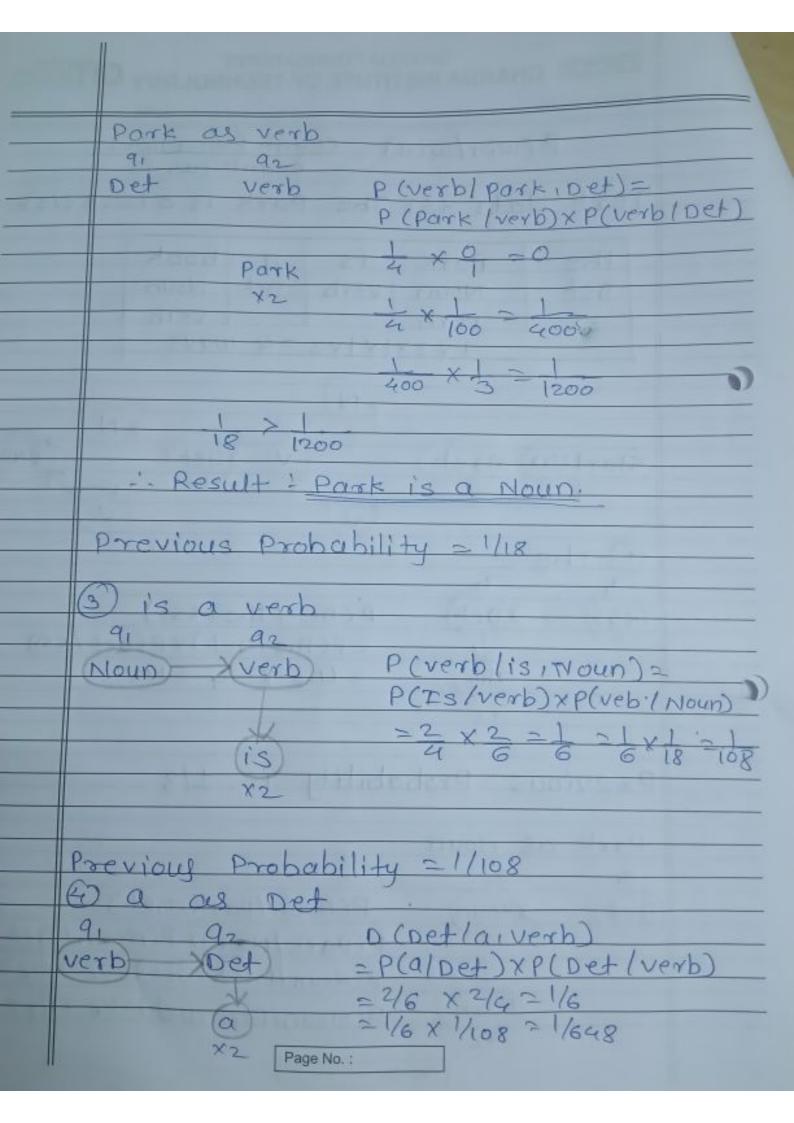
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	Ехр	eriment No.			OF TEC		Date:	A A Practic	NOLOGY
	1	ti	92				Date .		
	N	N)	(VB)	PC	VB/Sm	iles	CNN		
					Csmile			BIND	1)
		LENI	V		0.08 X				
		(8	smiles)						
			×2_			100			
		Re	sult:	smiles	is ve	up			
0.4	Tx	aining	Cochi	us	1 1				
		<s></s>	Book	C	car	4/5>			
		(5)	Park		care	4/57			
	-	<b>(S)</b>	the	book	is	in	the	Car	5
	~	<s></s>	The	car	is	n	a		415>
	7	21- 5	and a	es de	nede	No o	L = 1	1103	
	16	XT U	ata Ks	s z inc	Park	180	DOOK.	3/5)	
	Ger	remate	stat	e Trur	sition	n re	miss	im	-
			ty M			3			
			s Tage		using	HMM			
						- 21			
		Assign	concep	+ Pos	Tag 1	o tre	uining	Co	rpus
-	(3)	Book	a	car			1 /		
	i	verb	Det	Noun	C. S.		TILL		
<	(S)	Park		Car	(15)		111		
		verb	Det	Noun					
1	دی	The	book	is	in	the	CCIN	_	(15>
		Det	Noun	verb	Prep.	Det			
			111111111111111111111111111111111111111	V. I. I. I.			1 400		

				Park 1	157			
<b>L</b> S>	The can		Commence of the latest and the lates	1.01				
	Det Noun verb Prep Det Noun							
P/	march 1 cla	(ss)= P(clo	75511100	rd)				
	WV8117 CIS	1	Cclass	(3)				
					1			
(2) c	reation o	of Emission	n Prob	ability	Matrix			
	Lunch	Det	Nour	Par	00.			
	verb (4)	(6)	(6)		2)			
Book	1/4	0	1/6		0			
a	0	216	0		0			
Cax	0	0	416		0			
the	0	416	0		0			
Park	1/4	0	1/6		0			
is	214	0 0			0			
lio	0	0	0	2	12			
4	4	6 6		2				
	-1-11-1	THE REAL PROPERTY.						
(3) Creation of State Transition Probability								
matri	oc.			111111				
				1 320				
	Noun	Verb	Det	Prep	215>			
<b>LSY</b>	0	2/4	2/4	0	0			
Noun	0	2/6	0	0	416			
verb	0	0	2/4	214	0			
Det	6/6	0	0	0	0			
Prep	0	0	2/2	0	0			

Page No.:

Experiment No.
Experiment No.
P (wi=1/wi-1) = count (wi-1)wi)
count (wi-D)
Text data xsx The Park is a bookx/sx
The Park is a book
Det Noun verb Det Noun
verh verh
1 x 2 x 1 x 1 x 2 = 4 ways
(N)
N) (N)
(Start (15) XDet) (V) (Det) (BNOK15)
(1) The
9, 92
(KSX) Det) P(Det/The/KSX)
= P(The loet) x P(Det/ <sd)< th=""></sd)<>
(The) = 416 x 2/4 = 1/3
*2
Previous Probability is 1/3
Pork as Noun
91 92
(Det) (Noun) P(Noun/Park, Det)=
P(Park/Noun)x P(Noun/Det)
P(Noun   Park, Det)=1/6 × 6/6=1/6
(Park) P(Noun/Park, Det)=1/6 ×1/3=1/18
X2_
Page No. :

i



GHARDA FOUNDATION'S  GHARDA INSTITUTE OF TECHNOLOGY GIT
Date :
Previous Probability is 1/648
Det 3 book as a verb
9, 92
Det P(verb/book, Det) -P(book/verb)xP(verb/bet) =114 x0 =0=0
(book) = 1 x 1 = 1 X2 4 (00 400
book as a Noun
91 92
Det Noun P(Noun/book)
= P(book/Noun)xP(Nounlost)
=1/6 x 6/6 = 1/6
book = 1/6 x 1/648 = 1
12 3888
1 × 1 ~ 1 400 × 648 259200
3888 259200 259200
Result : book is Noun

Page No

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