

DA.	GE)	In	
1.54	200	100	
100	- at .		
- n	take per		
DA	1 2		

	PAGE NO.:
	DATE:
Tobenization - 1 word per line	
losenzación - I word por	
state - uc-the-and - 1 word	
state-up-the-and -1 word	
Edit Distance	
rair Distance	
Minimum edit distance	
Minimum earl distance	
= X T F * N T I	0
IN	1 .
+ E X E C U T I	0 2
1 2 2 - 1 2	
(Peletion) (Substitution) (Insertion)	
Total cost = 8 units	
Alexander C III A Black	
Alignment in Computational Biology	
Named entity extraction - extract propor nouns from	n text
How to find Min Edit Distance?	
World type Tokens Whatever that goes into - all the occurrences go vocabulary in a text	
Whatever that are not it ill the	(incl
Whatever that goes into - all the occurrences of	- O WOYd
vocabulary is a text	
V	

18/2 PAGE NO. Minimum Edit as Seauch for 2 strings

**N of length n

Y of length m we define D ('ij) Dynamic Puogramming -> Tabular computation of D(n,m)
-> solving problems by com bining solution to subproble Bottom - up > (ompute Dl/i) for small : , j - And Compete larger D(J) Ler Leven stein Initialization D(1,0) =!
D(0,j) = j - Recurrence Relation

PAGE NO. : DATE: for each i = 1...M D(i,j) = min D(i-1,j) +1 D(i, j-1) +1 1age 107 Assignment - 1 Deadline: Friday I fill in the bable with min edet distance valued + back trace pointers (armous) Explain the process (also back denuce pointers) Performance 0 (nm) olam) Space Backtonce Of n+m)

www. unicode org PAGENO. Weighted Edit Distance Some words are more likely to be misspelled Unicode and Multitingual computing. Software Localization Locale Pato Currency Days of a moule Internationalization Localization Globalization Tend processing not possible - Preeti, Kantifur, Annapuna Golyph - graphical representation of a character

Xepali NLP	
Information Retrieval Extraction	
Finite State Automata	٥
(9.) (9.) (925	2 6
DFSA determined path for an input	multiple police - it is
Marphology and Finite Study of word forms	State Transdant-
Surface form	cets

benical join cal

MS Smallest form of a word to morpheme foxes morphemes morpheme murpheme Morphological parsing is stemming break down a particular - only concerned about the ctem word into free murphane (not about bothers) and bound murphame - broading down a particular word into its corresponding stem or foxes - fox tes root word eg sing: Martine translation Spell checking sings stem- free main morpheme prefit, suggit, ingist, ar cumfit

PAGE NO CO

1. Inflectional morphology

Nown to nown

Faxtes > Nown to nown

- no change in class/parts of speech

Forces

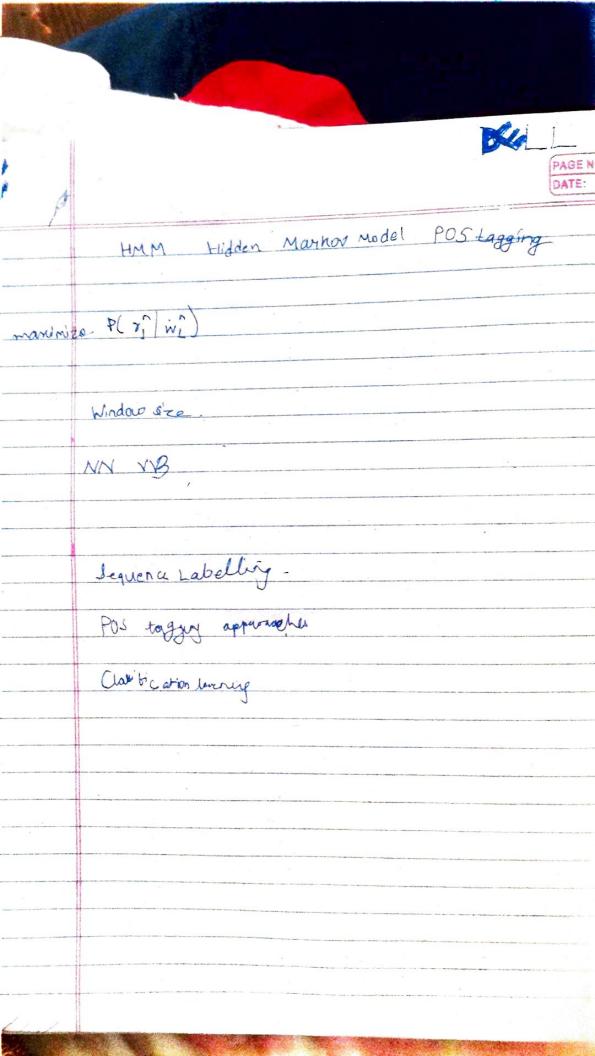
N

2. Derivational morphology - result in different days

compute ting -> egiver to nown

GNP - (Nepali) Gender Number Person

English - NP only He eats She eats



most frequent English Language World Clauses and Part- g- Speed Tagging Chapter 8 blowest level of syntactic analysis Parch of speech (word class / morphological class lexical lag) English Word Clasice Closed days retatuely fixed membership eg: prepositions 2. Open class noun, verb, adjectives cadwerbs Parts of speech tagging I Rule-based toggers 2) Stochastic taggers -used a training corpus to court the probability Buill tragger - hyprid of both