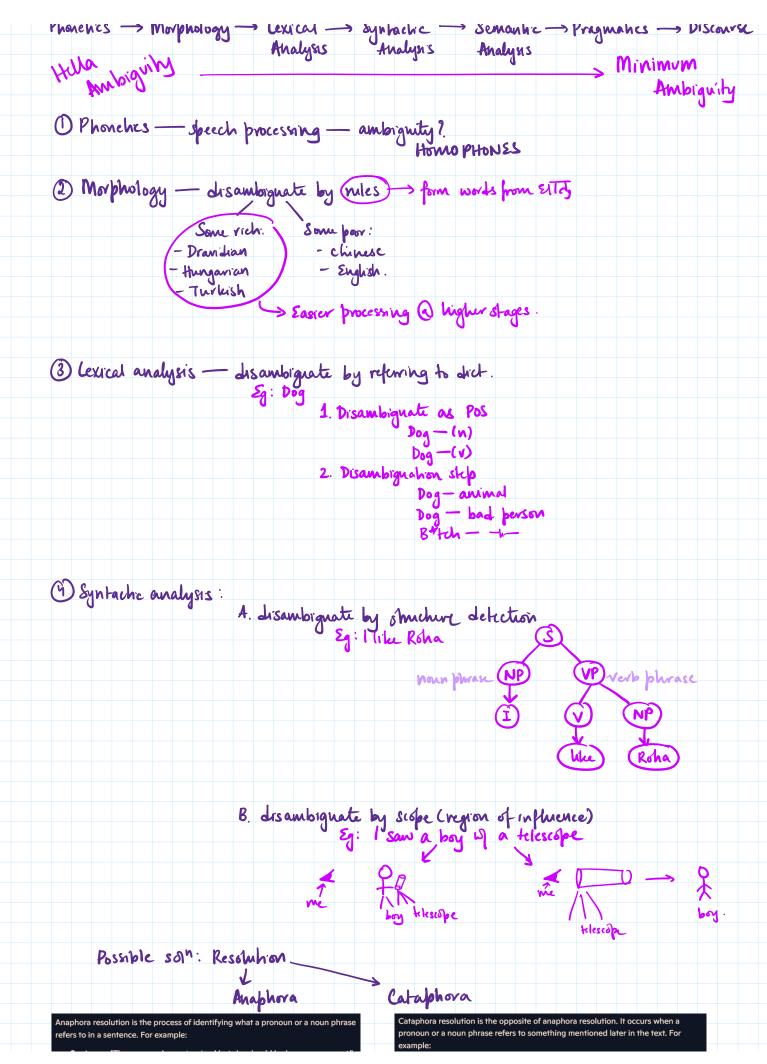
Basic NLP- Comp	onents
Moun combi	onents
•	Dexical Analysis — analyzing text given a lexicon
	1 Marphology - how words are formed from smaller parts.
	3 Syntachical Analysis - applying vules of lang to shiff we found earlier.
	19 Semanheal Analysis - understanding meaning
	1 Representation of Semantics - represent the meaning.
	6 Generation of Meaningful Text. (Sphional)
So what is	NLP7
	→ It's a branch of M of 2 goals
	Understand how long. Build systems that analyze & Speratis general longuage (Science goal) (Engineering goal)
	→ It's NOT computational linguistics > aims to MODEL language.
	> It's NOT computational linguishes > aims to Model language. NLP is processing lang from computational por IN ORDER to build diff. appin + tooks.
	build diff. appin + tooks.
	> Turing test: 2 machine response
	8 cm no gift ;
	> Turing test: Description Description
Semanhe.	2
	> all about the meaning of words
	<u>Lexical</u> <u>Compositional</u>
	Lexical Compositional what words mean How meanings get ALONE Combined.
	Compiles.
	> Implicit meanings - not directly stated by the user.
	rely on context + shared knowledge.
How dues	language processing usually go?
	> Morphology -> Lexical -> Syntactic -> Semantic -> Pragmatics -> Discours
who.	Analysis Analysis Analysis Minimum



Cataphora resolution is the opposite of anaphora resolution. It occurs when a Anaphora resolution is the process of identifying what a pronoun or a noun phrase pronoun or a noun phrase refers to something mentioned later in the text. For refers to in a sentence. For example: Sentence: "The empress has not arrived but she should be here any moment." Sentence: "Because she was going to the post office, Madhu was asked to post Anaphor: "she" a parcel." Antecedent: "The empress" Cataphor: "she" In this case, "she" refers back to "The empress." Anaphora resolution helps in Antecedent: "Madhu" understanding that both "she" and "The empress" refer to the same entity. Here, "she" refers to "Madhu," which is mentioned later in the sentence. Cataphora resolution helps in understanding that "she" and "Madhu" refer to the same entity, Semantic Analysis - knowledge representation in terms of Semantic frames conceptual dependencies. Challenge ambiguity in semantic role labelling. 6 Pragmatics — super hard. > User intention Pragmatics is concerned with the ways in which language is used in context and how the context influences the interpretation of meaning. It goes beyond the literal meaning of words to understand the speaker's intentions and the social aspects of > world knowledge disambiguation (3) Discourse

> processing a sequence of sentences needs reasoning + appl of world knowledge. We essentially from a bunch of hypothesis + discard as we get new evidence. Components of NLP Systems. Parser -> Semantie -> Genera-Analyzer for Lexicon Knowledge