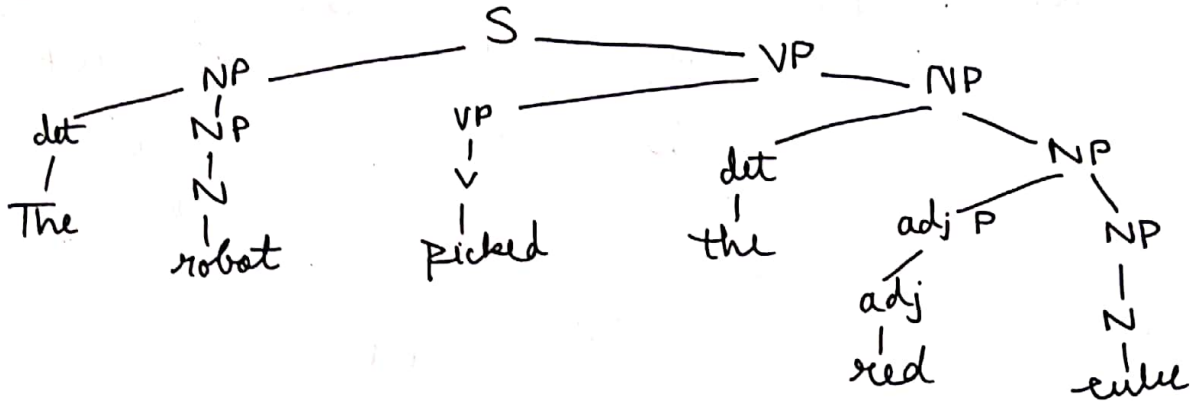


Natural Language Processing - Assignment 1

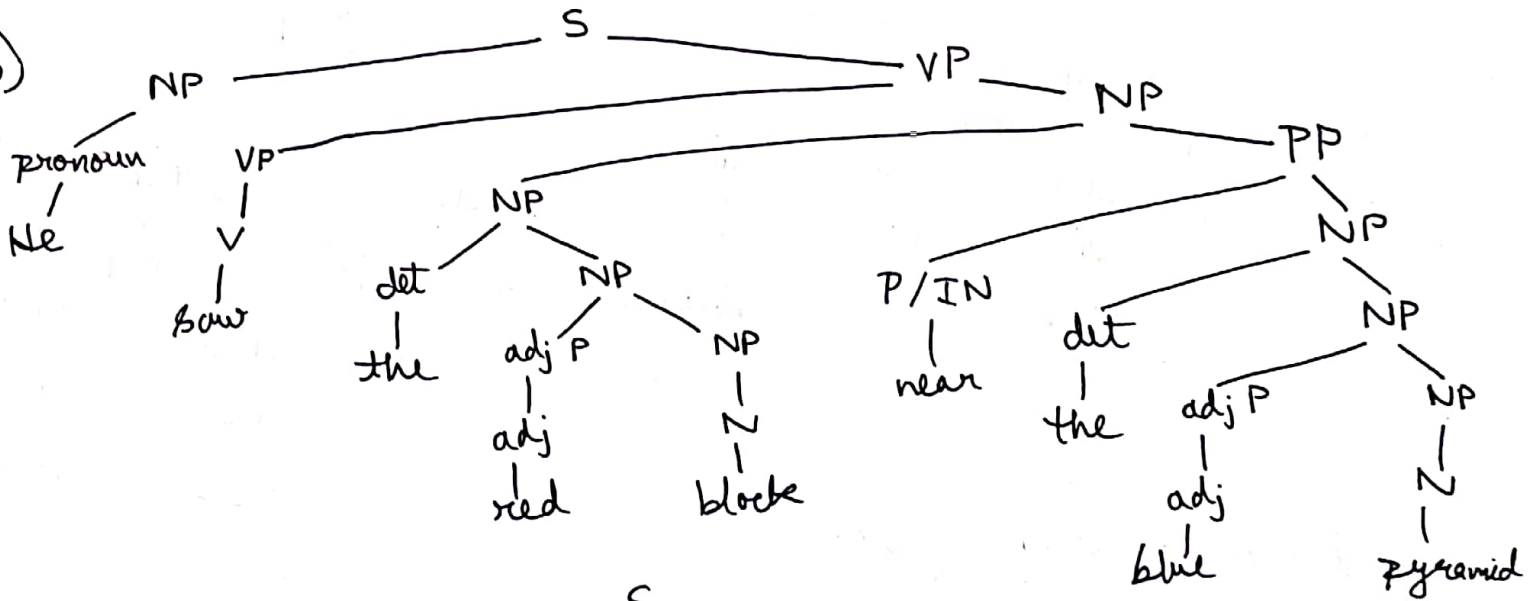
Sayan Ghosh Roy - 20171047

1) Phrase Structure Trees:

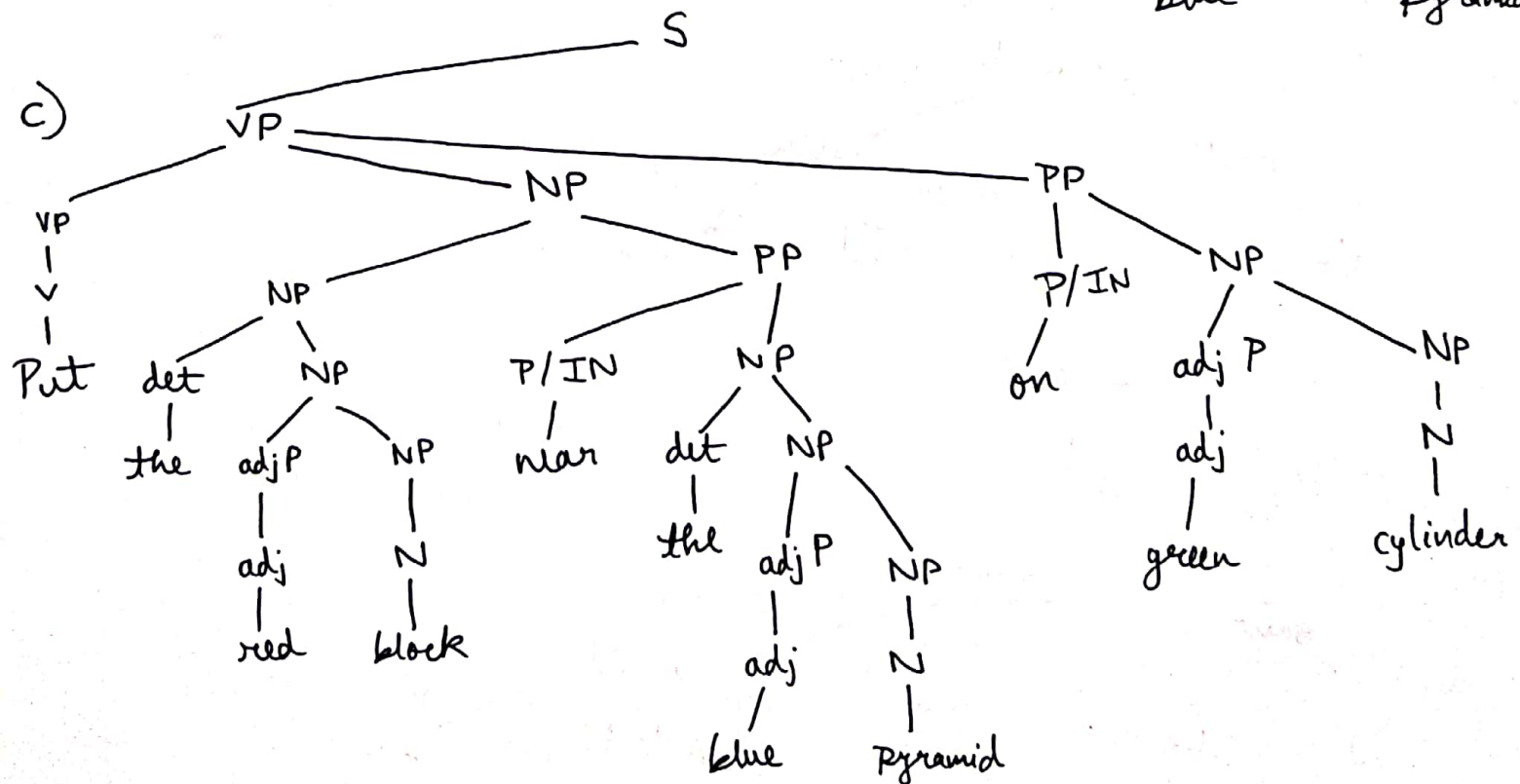
a)

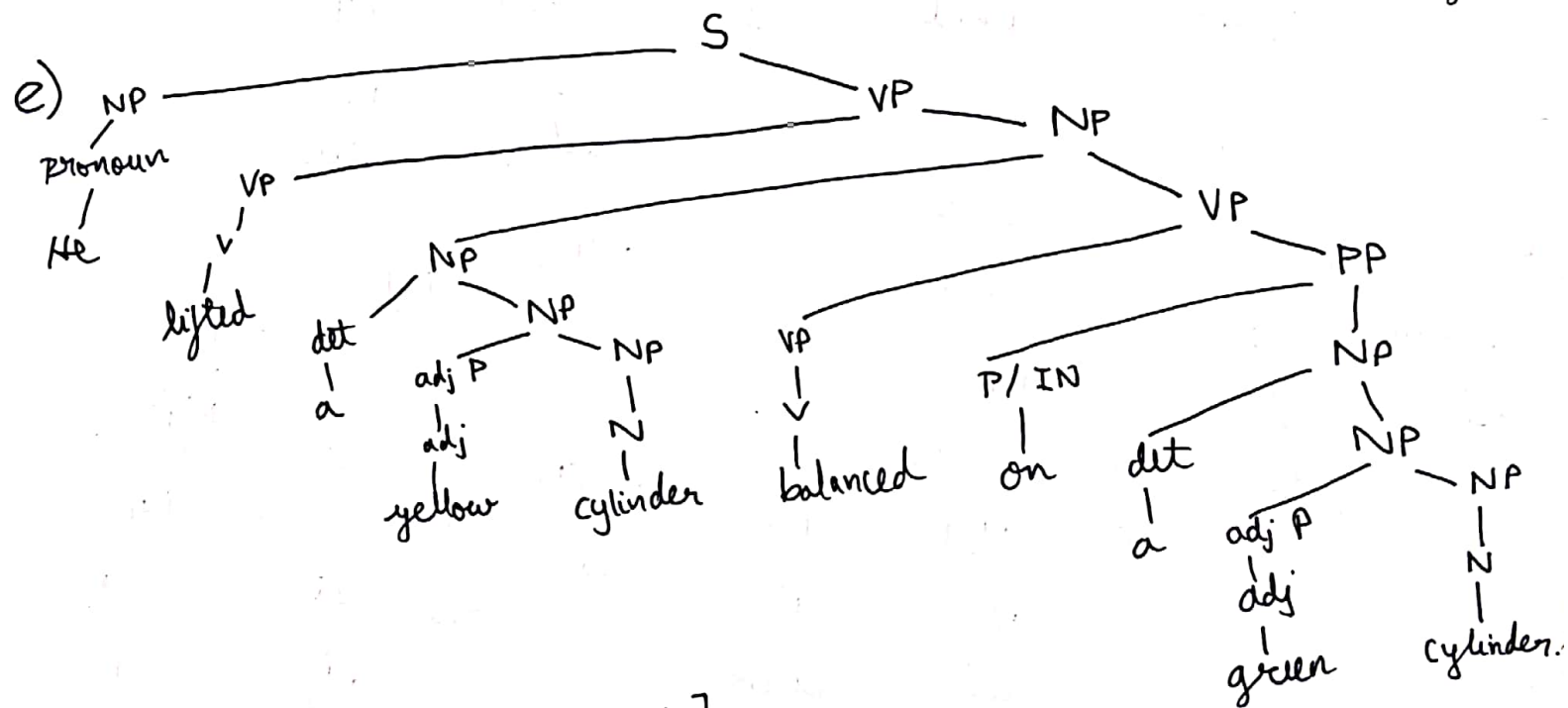
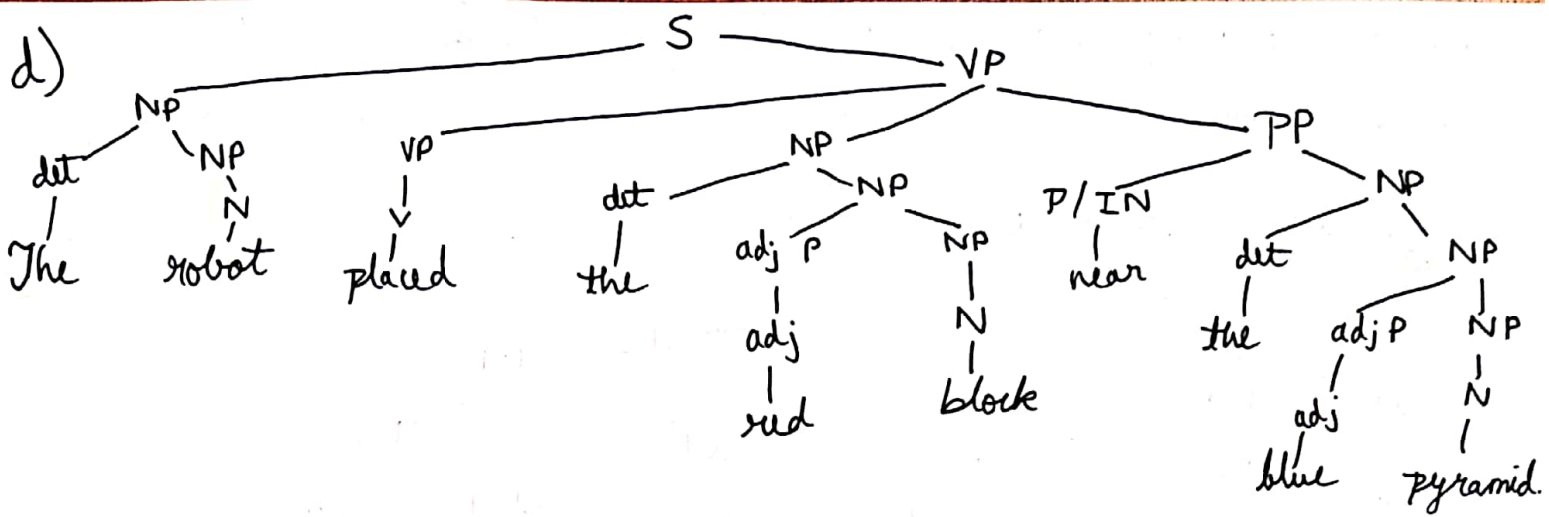


b)

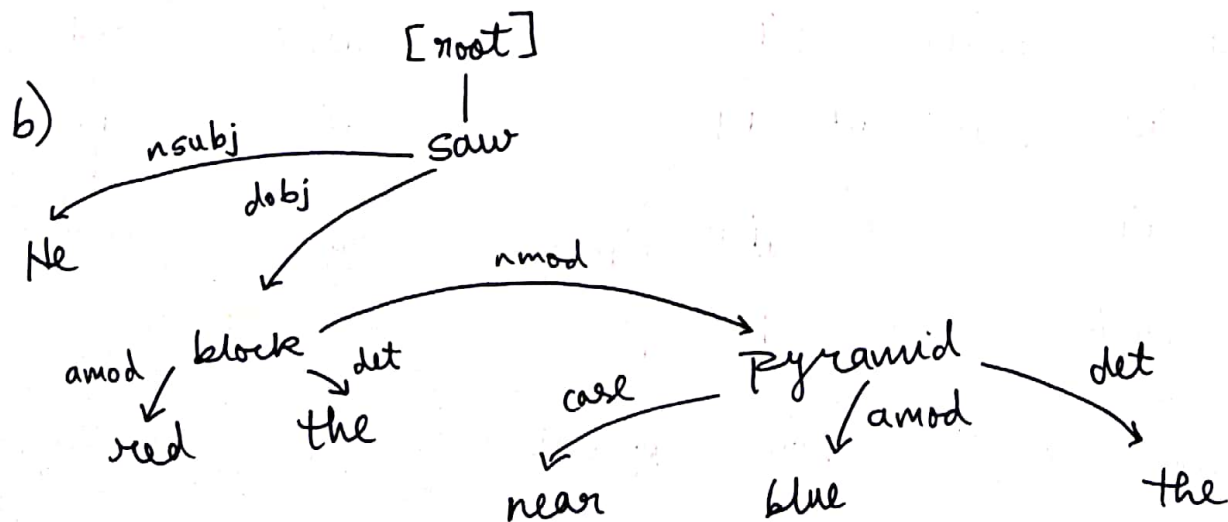
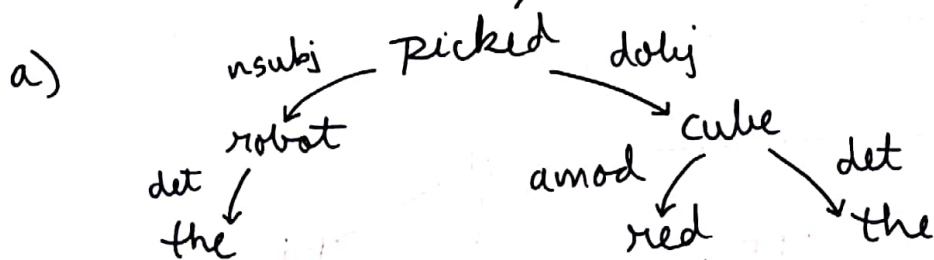


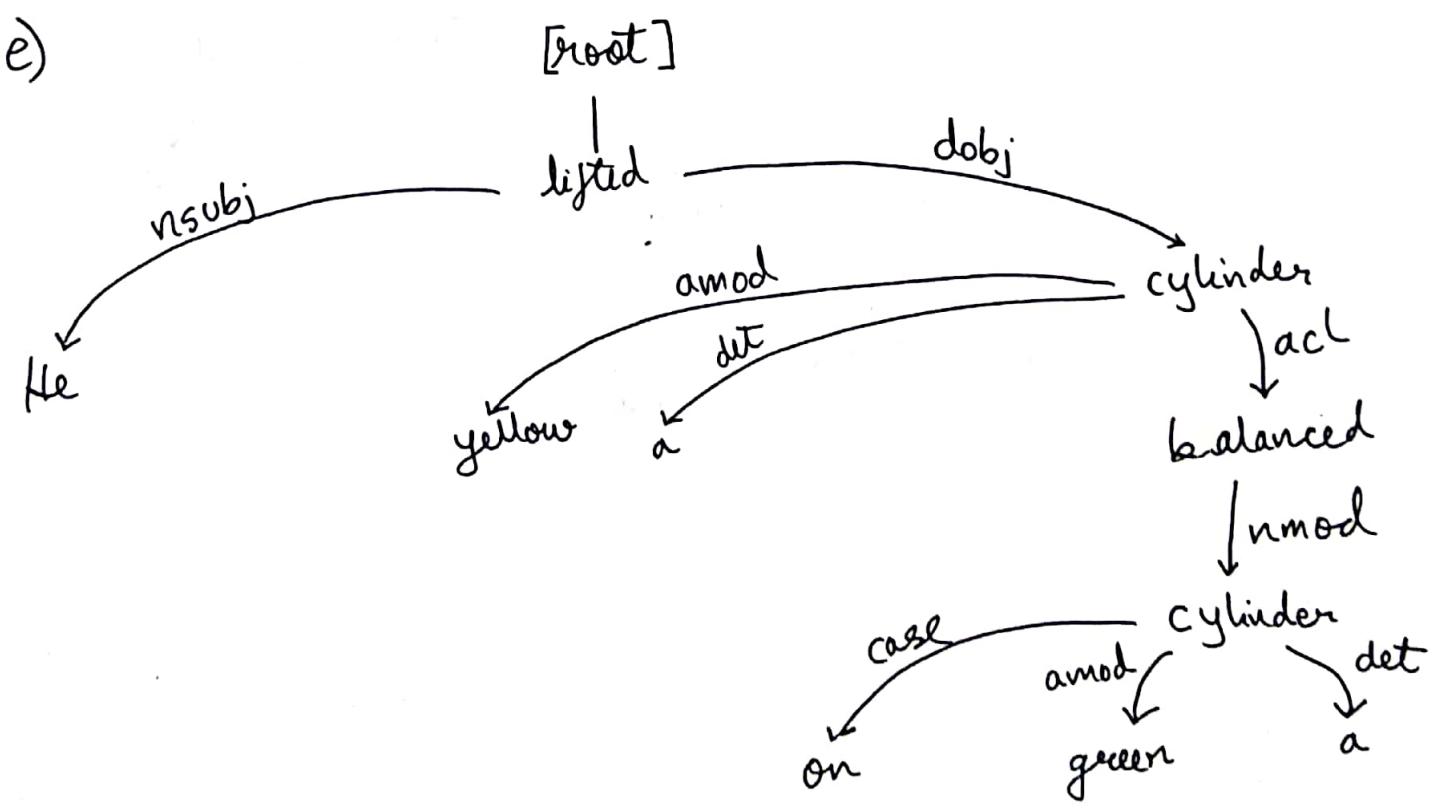
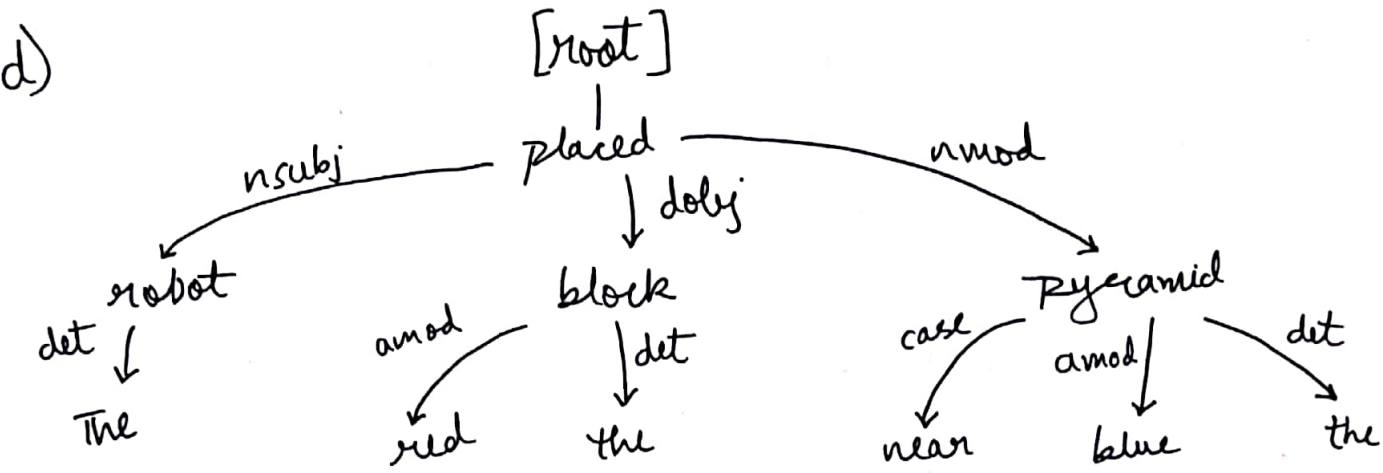
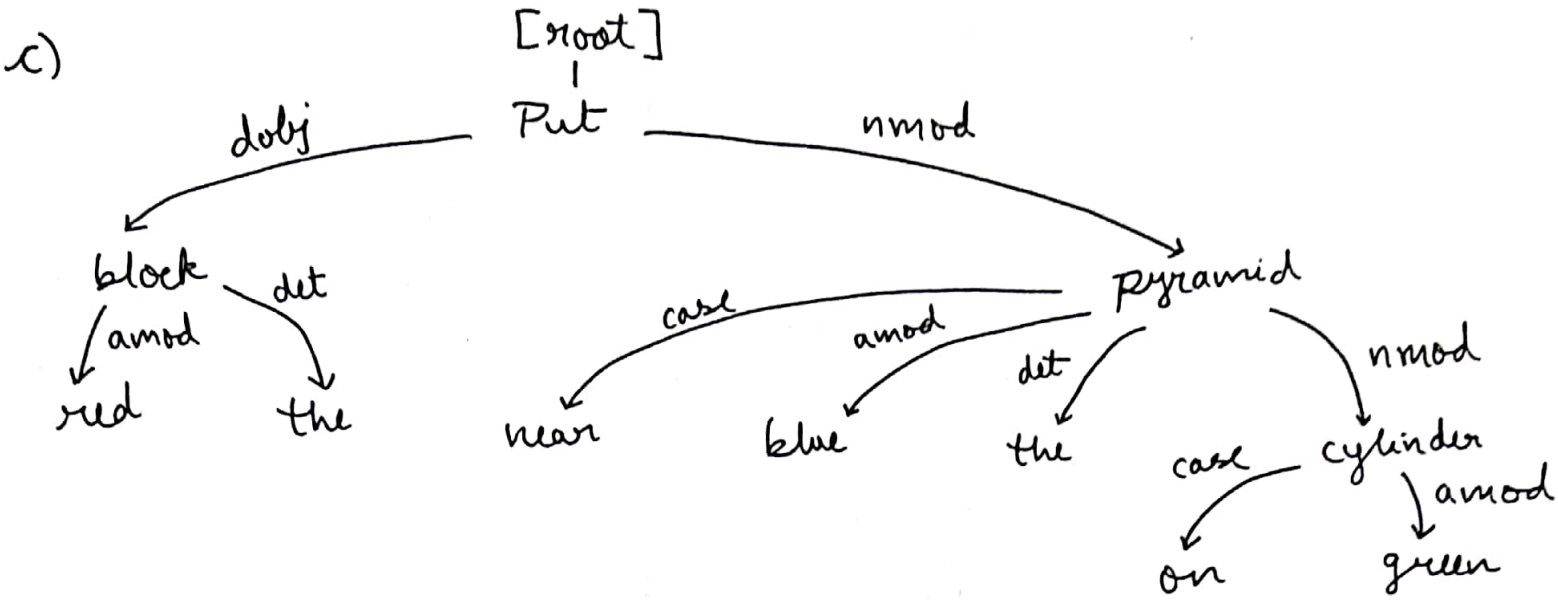
c)



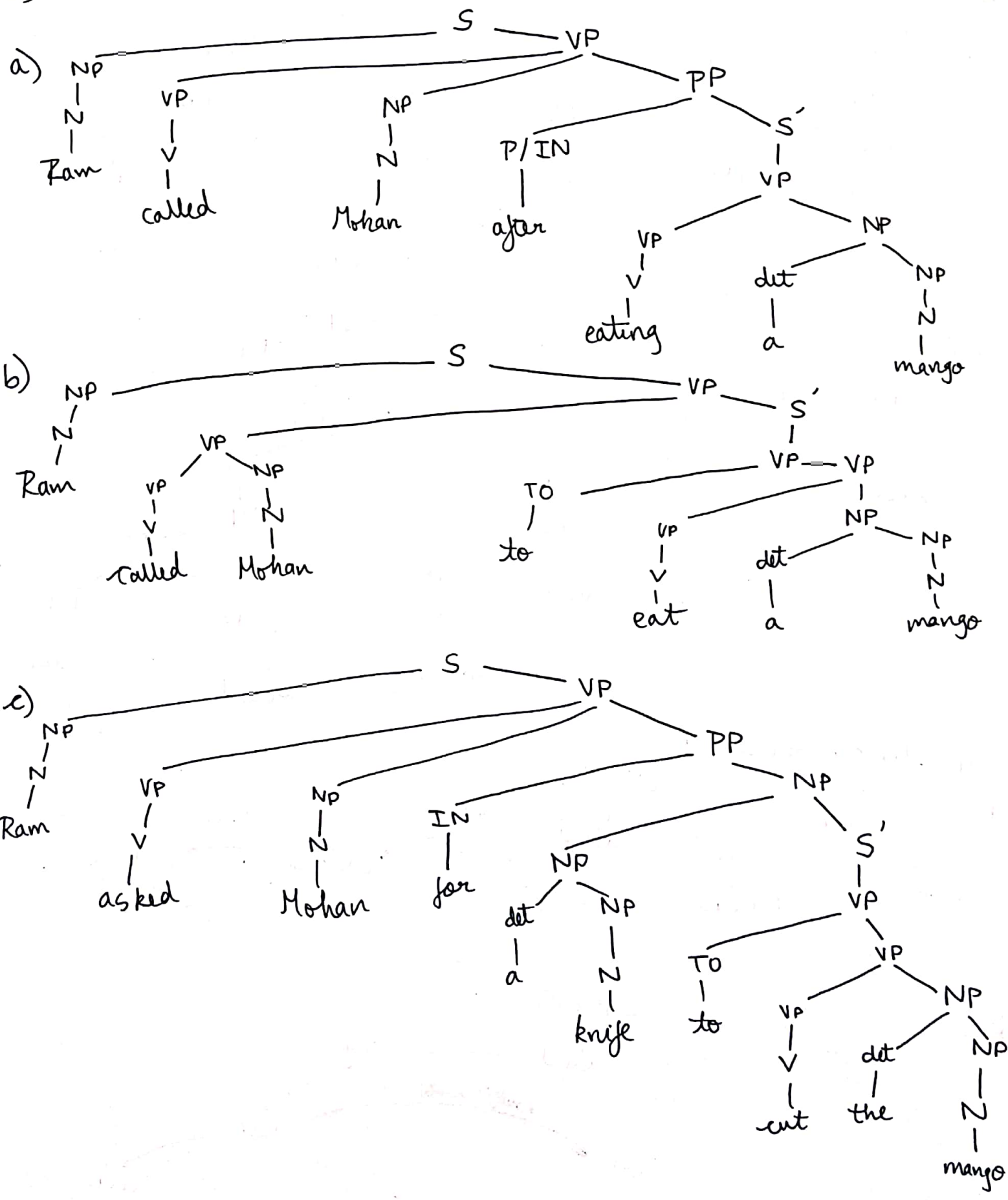


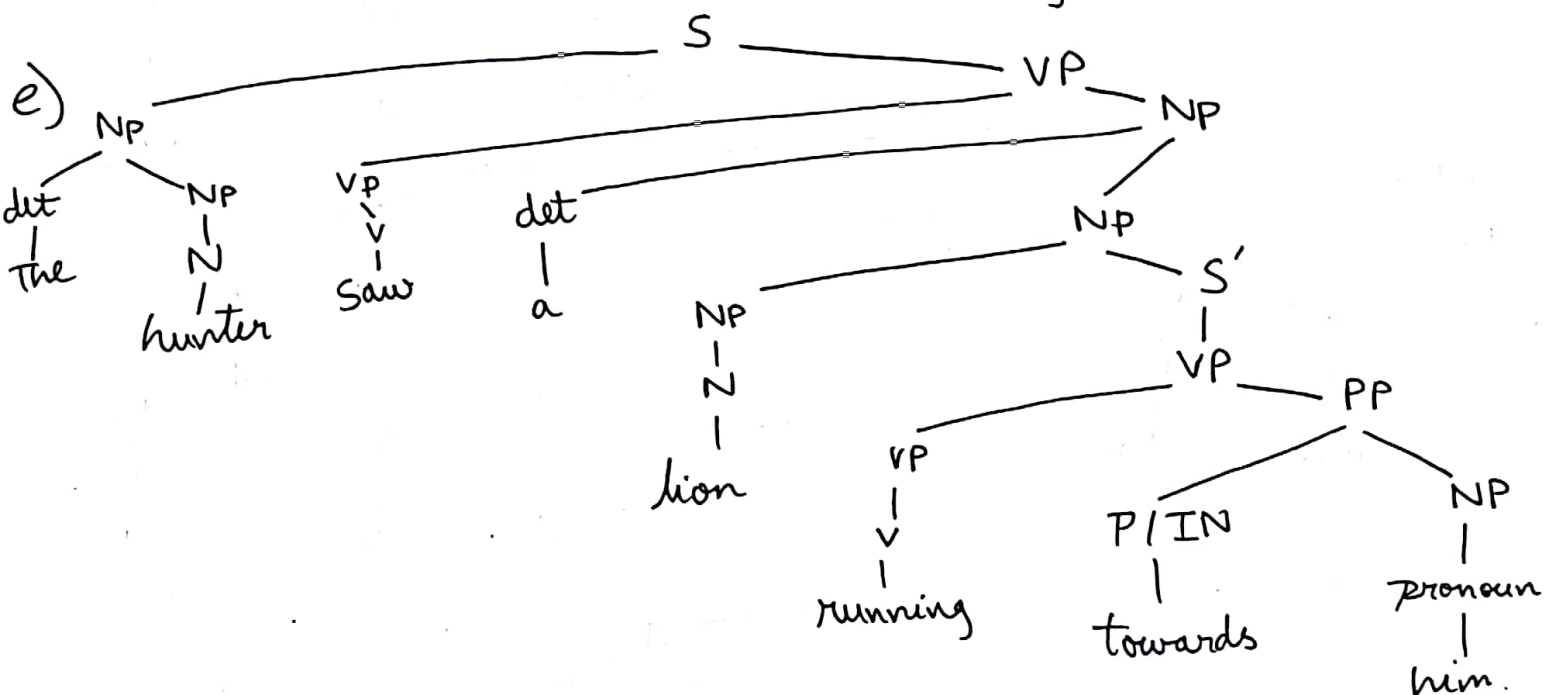
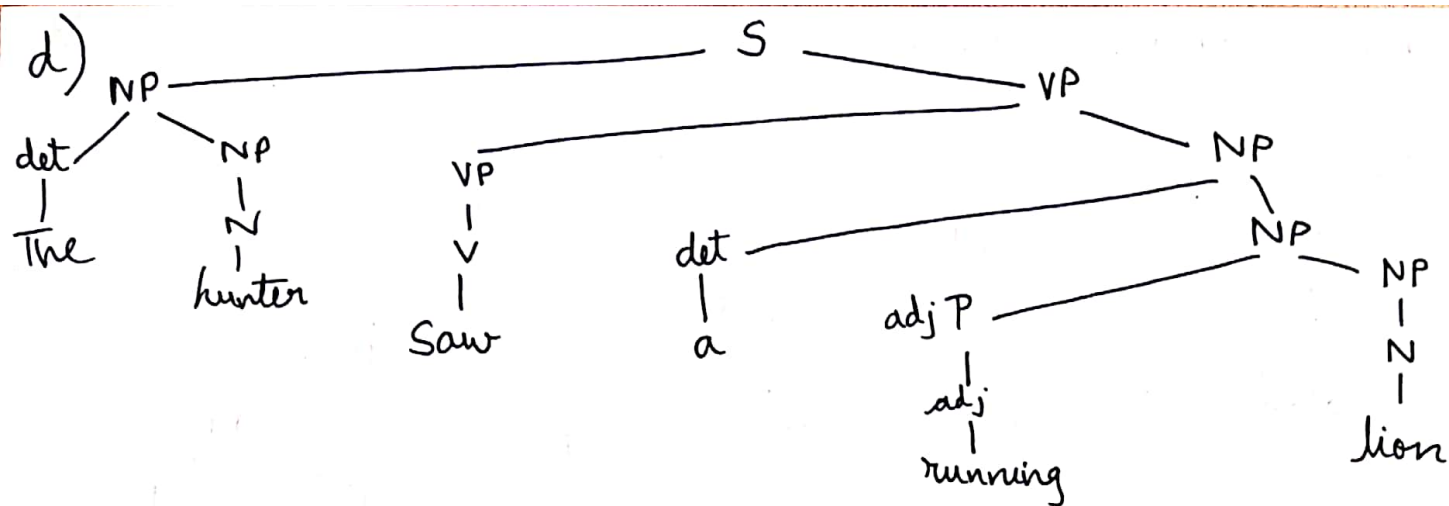
Dependency Parsing: [root]



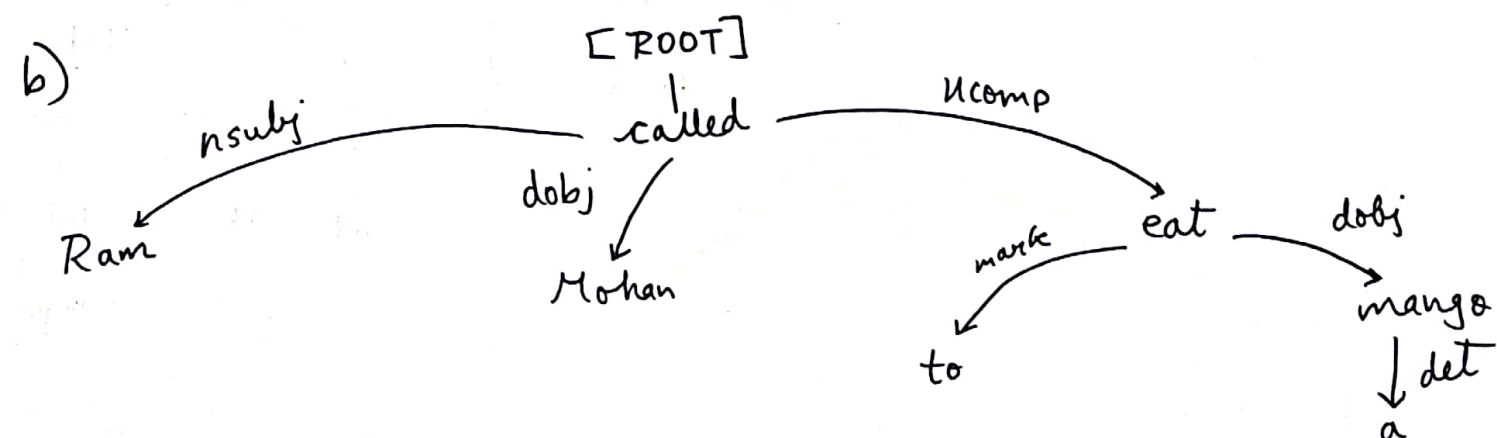
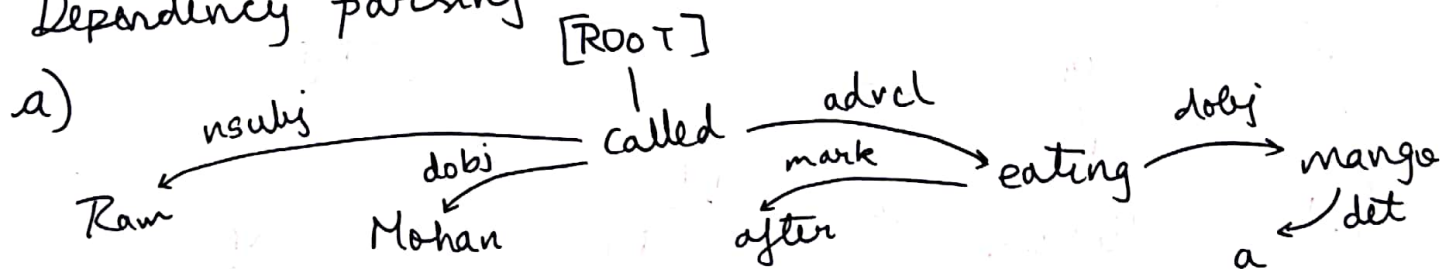


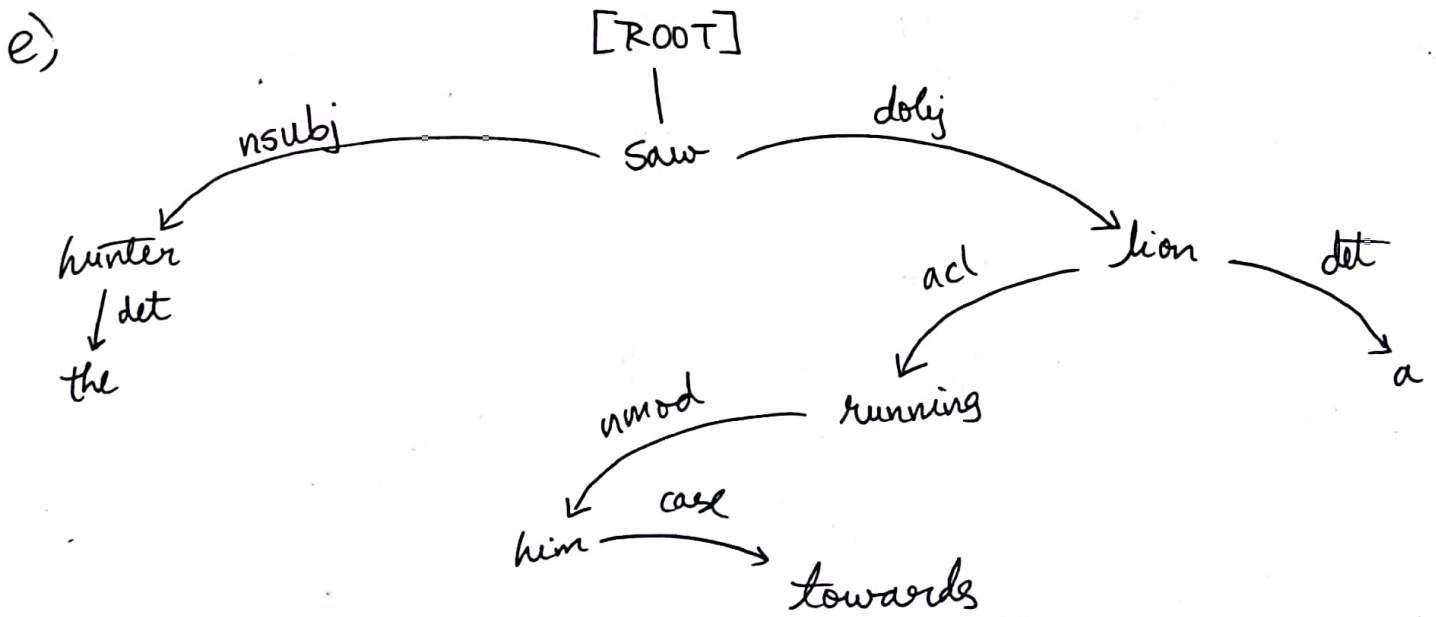
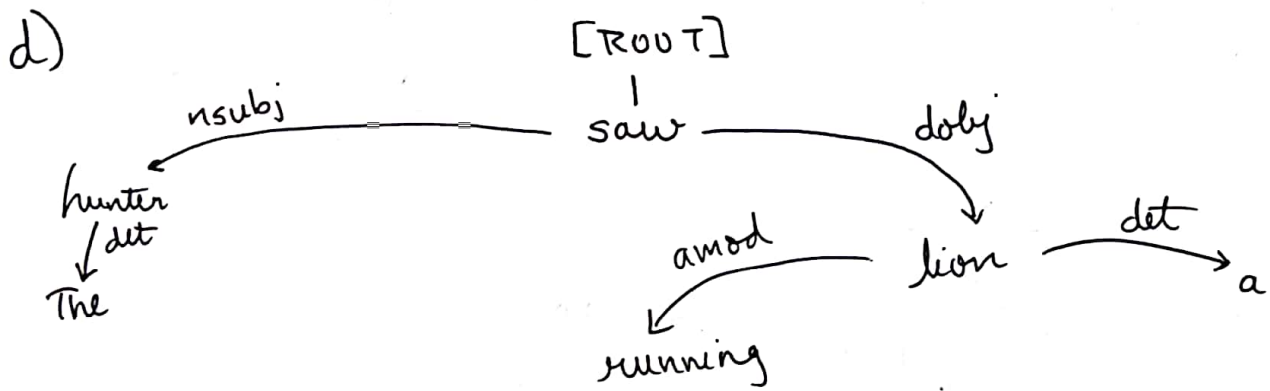
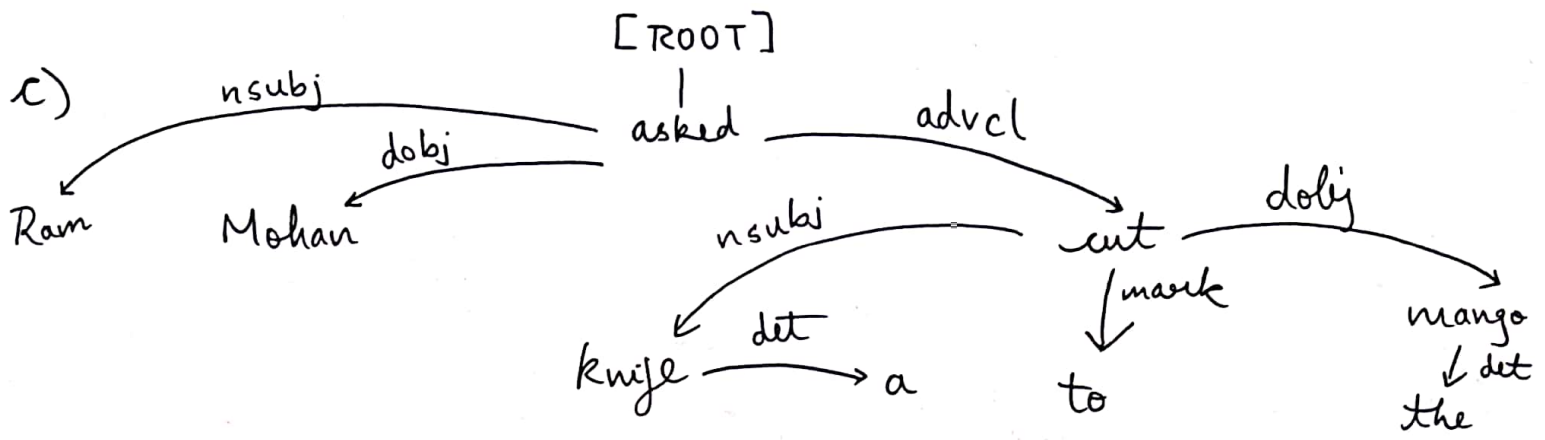
2) Phrase Structure trees:





Dependency parsing:





Notation for dependency parsing →

acl : adjectival clause
advcl : adverbial clause modifier
amod : adjectival modifier
case : case marker
det : determiner
mark : marker
nmod : nominal modifier
nsubj : nominal subj
obj : object
xcomp : clausal complement
dobj : direct object

Notation for Phrase Structure Trees →

S : Sentence
NP : Noun Phrase
VP : Verb Phrase
adjP : Adjectival Phrase
advP : Adverbial Phrase
PP : Prepositional Phrase
S' : Complement clause
det : determiner (DT)
N : noun (NN(-, S, P))
pronoun : pronoun (PRP(\$))
V : verb (VB[D, G, N, P, Z])
adj : adjective (JJ)
P/IN : preposition (IN)
* common POS tags in ()s

NOTE: Similar Notation was used for assignments / examinations
in courses : Introduction to Linguistics & Computational
Linguistics I