

2 CFG Rules:

S→NP VP

NP → det Mill B nown

VP → VP NP VP PP VP S' ving ver vaux ver Verb

PP → prep NP

S' → HP VP NP,

dit → the

HT nown → mother school child

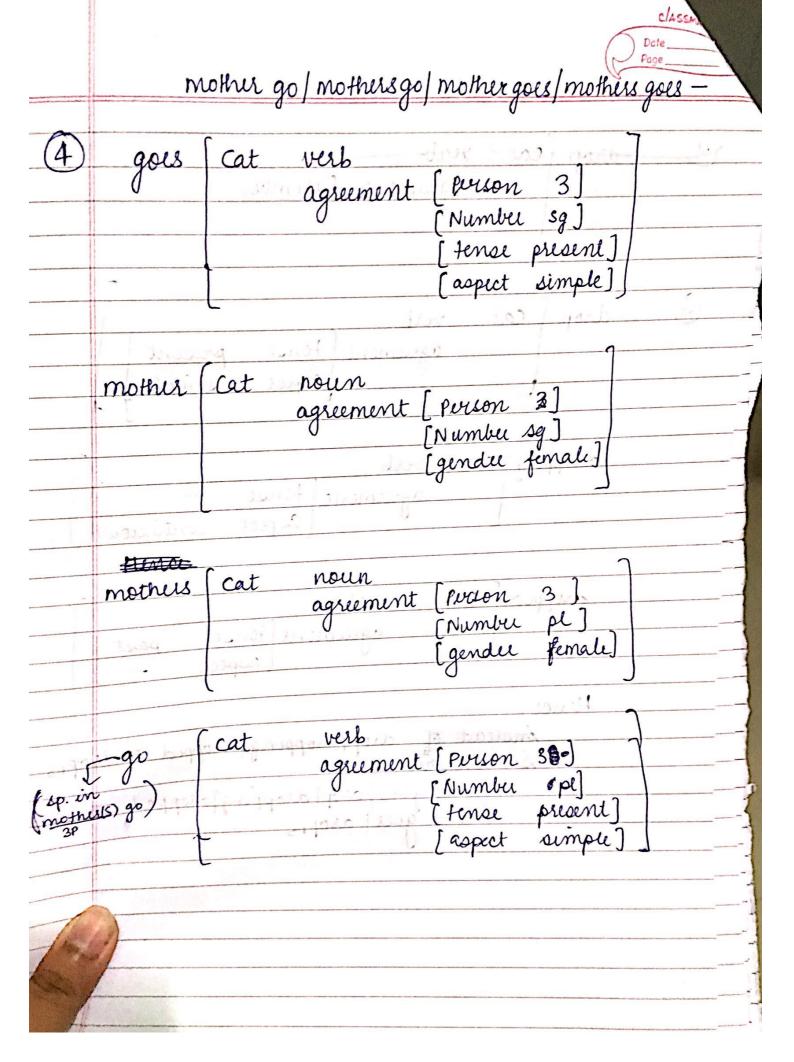
Verb → goes | drop | dropping | dropped

V-ing → to 1 for

V-aux → 'having

prep → to

drop cat verb agreement tense prisent aspect simple verb cat dropping agreement verb ... dropped agreement tense aspect Hence, So the rules V -> goes | dropping | dropped =



While unifying -

(a) mother and go

FS(mother) number \neq FS(\frac{90}{mother). number

don't match!

(b) mother and goes

FS (mother). number = FS (goes). number FS (mother). person = FS (goes). person

- match! - Hence follows subject-verb agreement

(c) mothers and go

FS (mothers). number = FS (go). number FS (mothers). person = FS (go). person

- match!

- Hence follows SVA

(d) mothers and goes

FS(mothers). number + FS(moth goes). number - don't match!