Subject	Grammar Formalisms
Homework	3
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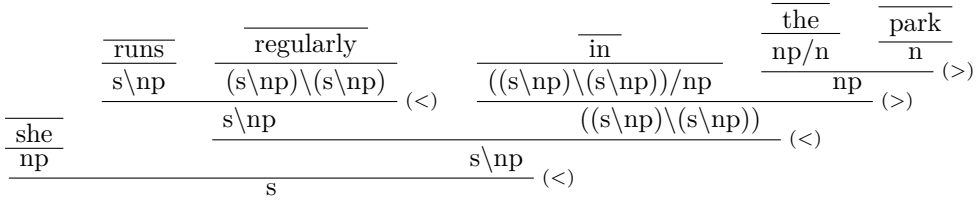
a)

She runs regularly in the park

Word	Cat
she	np
runs	s\np
regularly	(s\np)\(s\np)
in	((s\np)\(s\np))/np
the	np/n
park	n



b)

They named their son Stan and daughter Shelly

Word	Cat
they	np
named	((s\np)/np)/np
their	np/n
son	n
daughter	n
and	(X\X)/X

Word	Cat
Shelly	np
Stan	np

$$\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{\dfrac{}{\text{they}}}{\text{np}}\,(\text{T})}{\text{s/(s\backslash np)}} \quad \dfrac{\dfrac{}{\text{named}}}{\text{((s\backslash np)/np)/np}}}{\text{(s/np)/np}}\,(>\text{B2}) \quad \dfrac{}{\text{their son Stan and their daughter Shelly}}}{\text{s\backslash((s/np)/np)}}\,(<)}{\text{s}}$$

$$\dfrac{\dfrac{\dfrac{}{\text{their son}}}{\text{np}}\,(\text{T}) \quad \dfrac{\dfrac{}{\text{Stan}}}{\text{np}}\,(\text{T})}{\dfrac{\text{(s/np)\backslash((s/np)/np)}}{\text{s\backslash((s/np)/np)}}\,(<\text{B})}$$

$$\dfrac{\dfrac{\dfrac{}{\text{their daughter}}}{\text{np}}\,(\text{T}) \quad \dfrac{\dfrac{}{\text{Shelly}}}{\text{np}}\,(\text{T})}{\dfrac{\text{(s/np)\backslash((s/np)/np)}}{\text{s\backslash((s/np)/np)}}\,(<\text{B})}$$

$$\dfrac{\dfrac{}{\text{their daughter Shelly}} \quad \dfrac{}{\text{and}} \quad \dfrac{}{\text{their son Stan}}}{\text{s\backslash((s/np)/np)} \quad \text{(X\backslash X)/X} \quad \text{s\backslash((s/np)/np)}}\,(\text{andrule})$$

$$\dfrac{\dfrac{}{\text{their}} \quad \dfrac{}{\text{daughter}}}{\text{np/n} \quad \text{n}}\,(>)$$

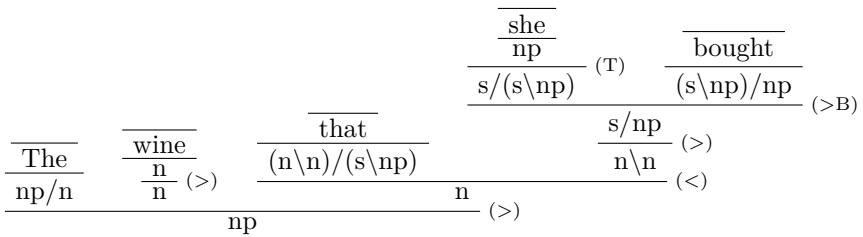
$$\dfrac{\dfrac{}{\text{their}} \quad \dfrac{}{\text{son}}}{\text{np/n} \quad \text{n}}\,(>)$$

c)

The wine that she bought gave me a headache

Word	Cat
The	np/n

Word	Cat
wine	n
that	(np\np)/(s\np)
she	np
bought	(s\np)/np
gave	((s\np)/np)/np
me	np
a	np/n
headache	n

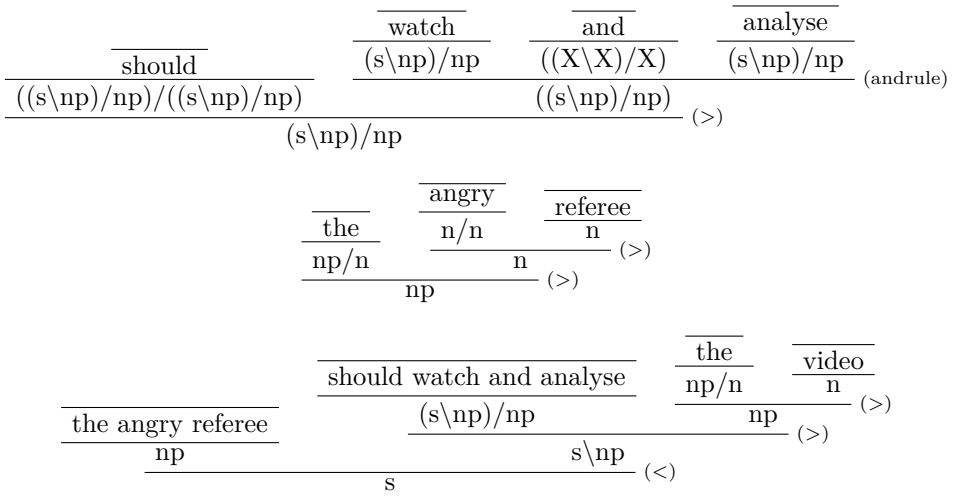


d)

The angry referee should watch and analyse the video

Word	Cat
The	np/n
angry	n/n
referee	n
should	((s\np)/np)/((s\np)/np)
watch	(s\np)/np
and	((X\X)/X)

Word	Cat
analyse	(s\np)/np
the	np/n
video	n



2

Marshall persuaded Lily to fogive Barney

a)

Object control since persuade is an object control verb.

b)