$\LaTeX XHomework$

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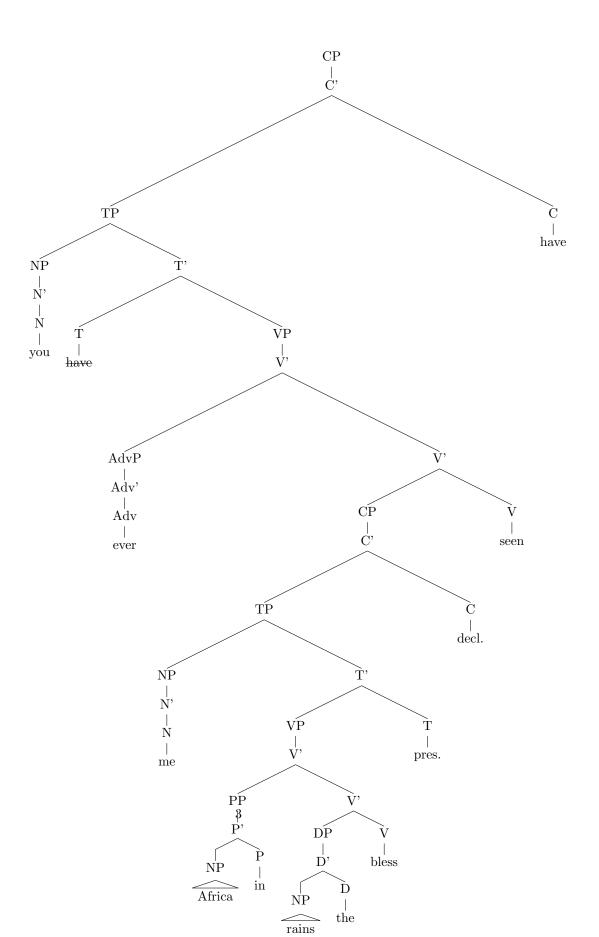
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1	My favorite linguistics and computer topics 1. Sentiment analysis 2. Web design	science
	3. Game development4. Sociolinguistics5. Phonology	
	4. Sociolinguistics	

2 About me

/mai neim iz natalja ænd ai studi nætſrəl læŋgwidʒ prəusɛsıŋ in gdaŋsk \parallel ai hæv ɔ:lweiz indʒəid lɛ:niŋ nju: læŋgwidʒiz \mid ispɛʃəli ngdlʃ \parallel ai θŋk prəugræmiŋ iz intristiŋ ænd kæn bi: ə greit autlet fɔ: kri:eitiviti \parallel interesujɛ sie ruvnjɛ z stukɔ̃ \mid f st segulnəctçij fətəgrafjɔ̃ əraş iluştratsjɔ̃ \parallel ukəŋt siwam litsewum plastit sne s tituwem plastik ze spetsjalnəctçiɔ̃ fətəgrafja \parallel /

3 Sentence tree

Have you ever seen me bless the rains in Africa



Phonological rules

Tapping

$$[t] \rightarrow [r] / [+vowel]_{-stress}$$
 +vowel $[t] \rightarrow [r] / [+vowel]_{-stress}$

Spirantization

$$\begin{bmatrix} +\text{stop} \\ -\text{voice} \end{bmatrix} \rightarrow \begin{bmatrix} +\text{voice} \\ -\text{stop} \\ +\text{fricative} \end{bmatrix} / \begin{bmatrix} +\text{vowel} \end{bmatrix} _ [+\text{vowel}]$$

/l/ devoicing
$$/l/ \rightarrow \widehat{[\![\!]\!]} \; / \left[\begin{array}{c} + consonant \\ - voice \end{array} \right] -$$

Maths 5

Probability of finding the particle at a node \boldsymbol{n}_i at time t

$$n_i^{(t)} = \sum_{n_j \in V} n_j^{(t-1)} P(n_i | n_j)$$

CTAN is fun 6

Below I present some hieroglyphs.



And cartouches.



Here are astrological signs and their symbols. $\mathcal{A}\mathrm{ries}~\Upsilon$

 $\mathcal{T}\mathrm{aurus}~\textbf{8}$

 $\mathcal{G}\mathrm{emini}\ \underline{\mathbb{I}}$

 \mathcal{C} ancer **5**

Leo N Virgo M

Libra ≏

 \mathcal{S} corpio \P

Sagittarius 🗡

Capricorn **V**

Aquarius ₩
Pisces ₩

And the planets of Solar System orbiting the sun $\boldsymbol{\odot}$

Mercury ¥
Venus ♀
Earth ▼
Mars ♂

Jupiter 4
Saturn †
Uranus †
Neptune ¥
Pluto \$\Partial P\text{ Pluto }\Partial P\text{ }