



Introduction

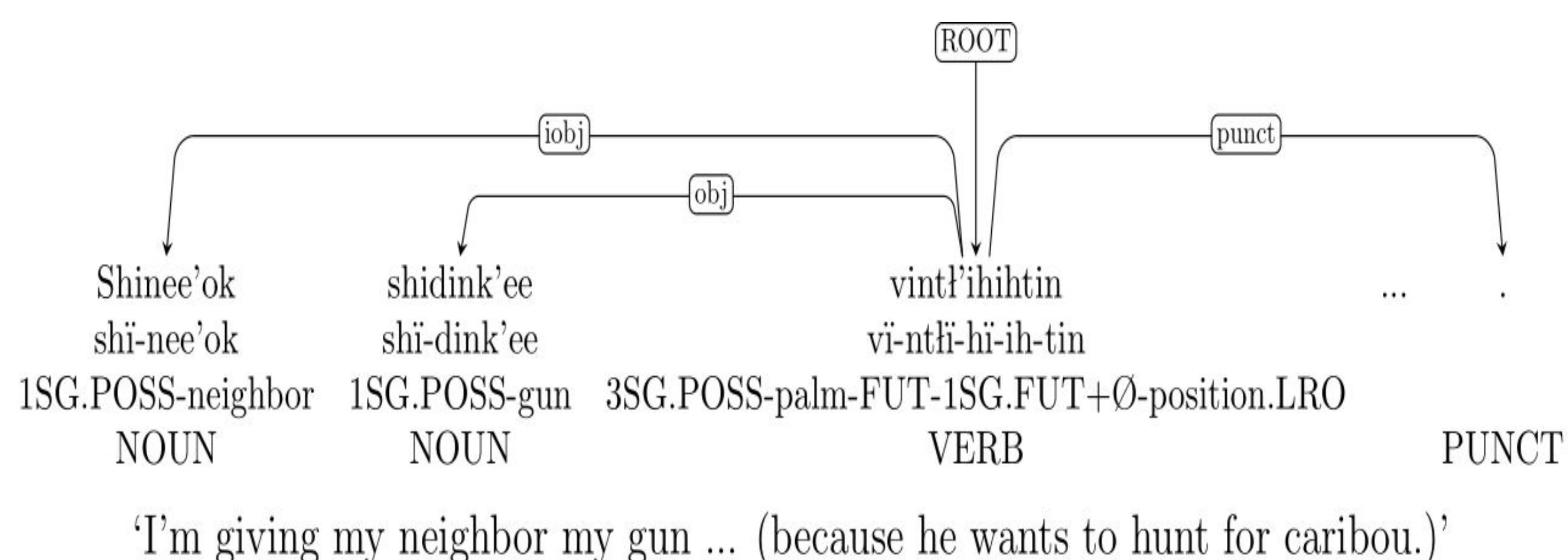
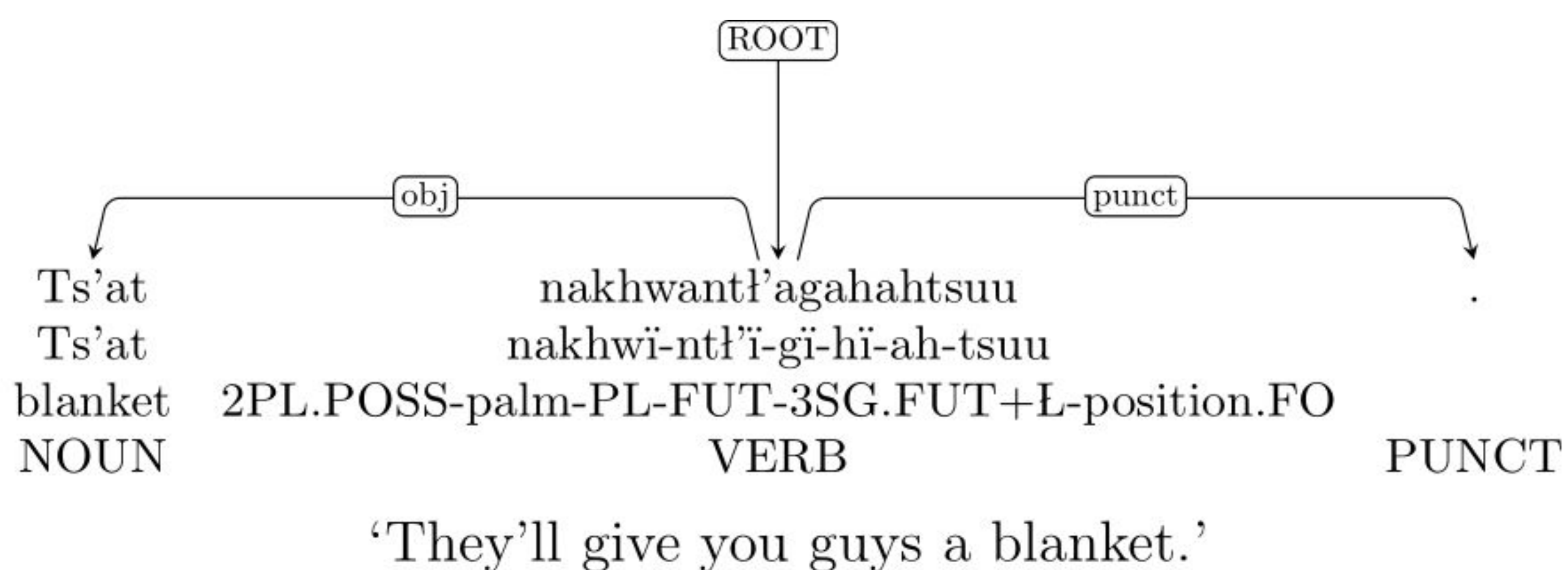
- Gwich'in is an Athabascan language spoken in Alaska and Canada
- 600 native speakers remain
- Classified as severely endangered (SE) by UNESCO
- Treebank focuses on the Alaskan variety
- Documentation and description is limited; sources from the Alaska Native Language Archive (ANLA)
- First treebank of (Northern) Athabascan language?

Interesting Language Features

- 4 verb classes called "Classifiers" (Ø, L, L, D)
- ~9 noun classes encoded on the verb stem, called "Classificatory verbs"
- Postpositional person inflection (human objects)
- Directionals encode three pieces of information (direction:9, orientation:4, distance:3; 9x4x3=~96 different direction terms)

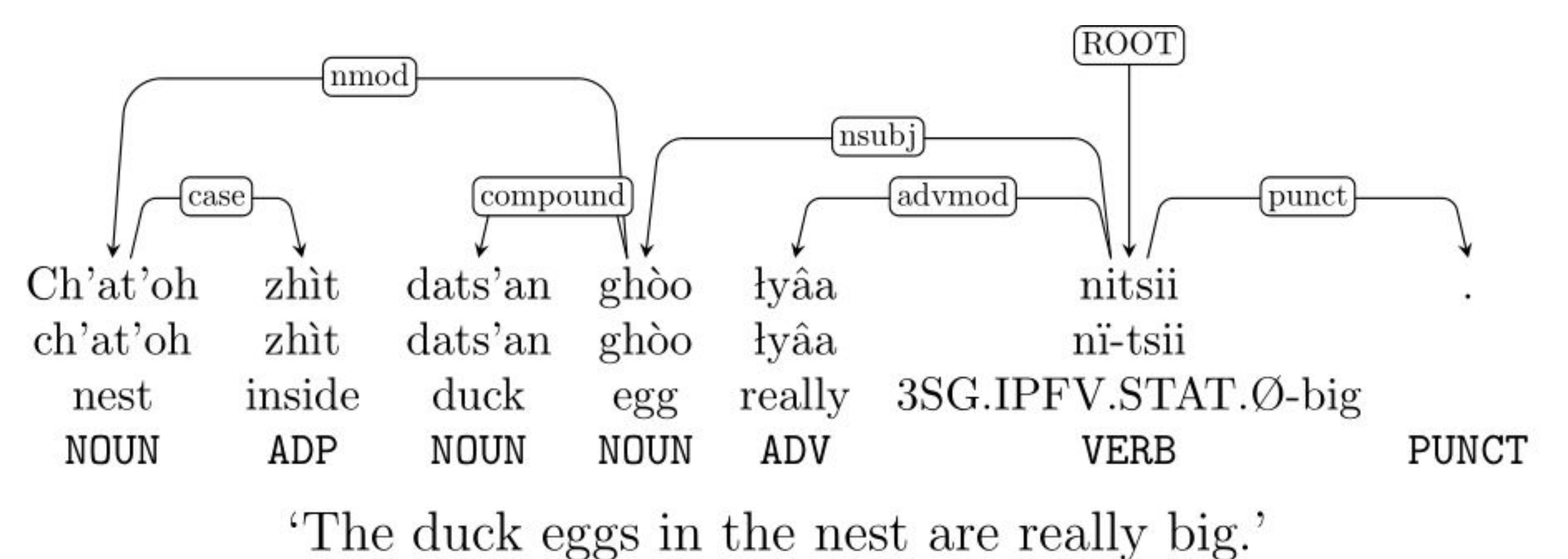
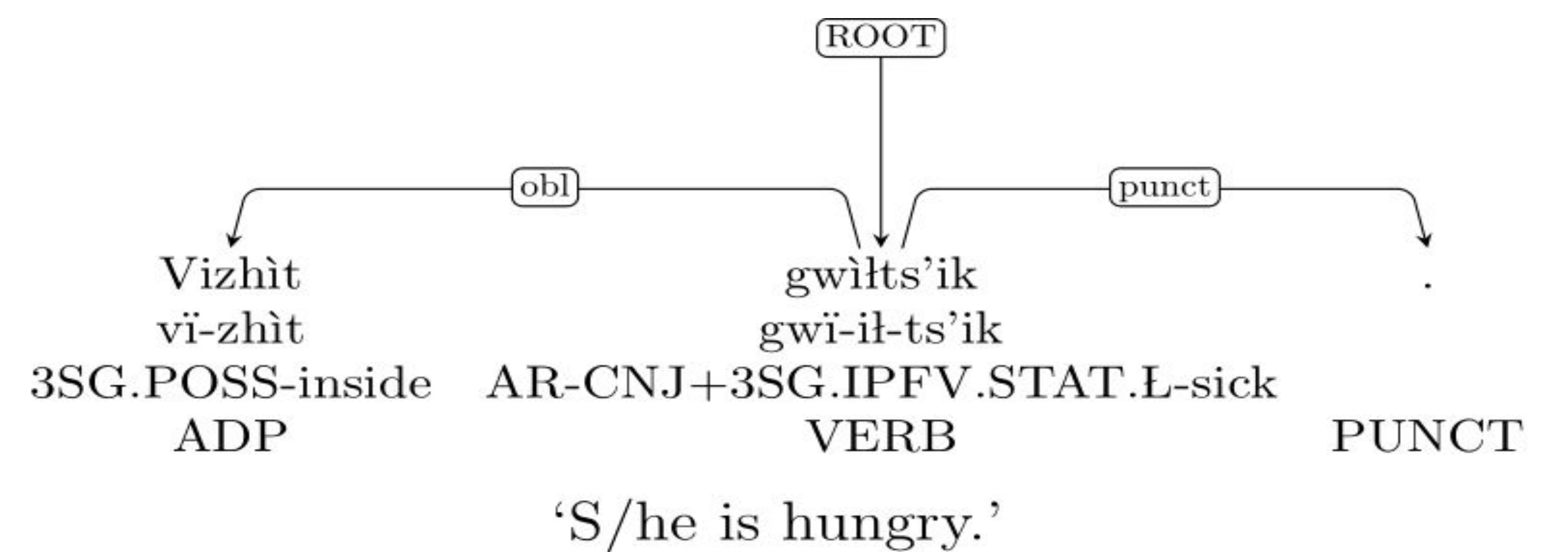
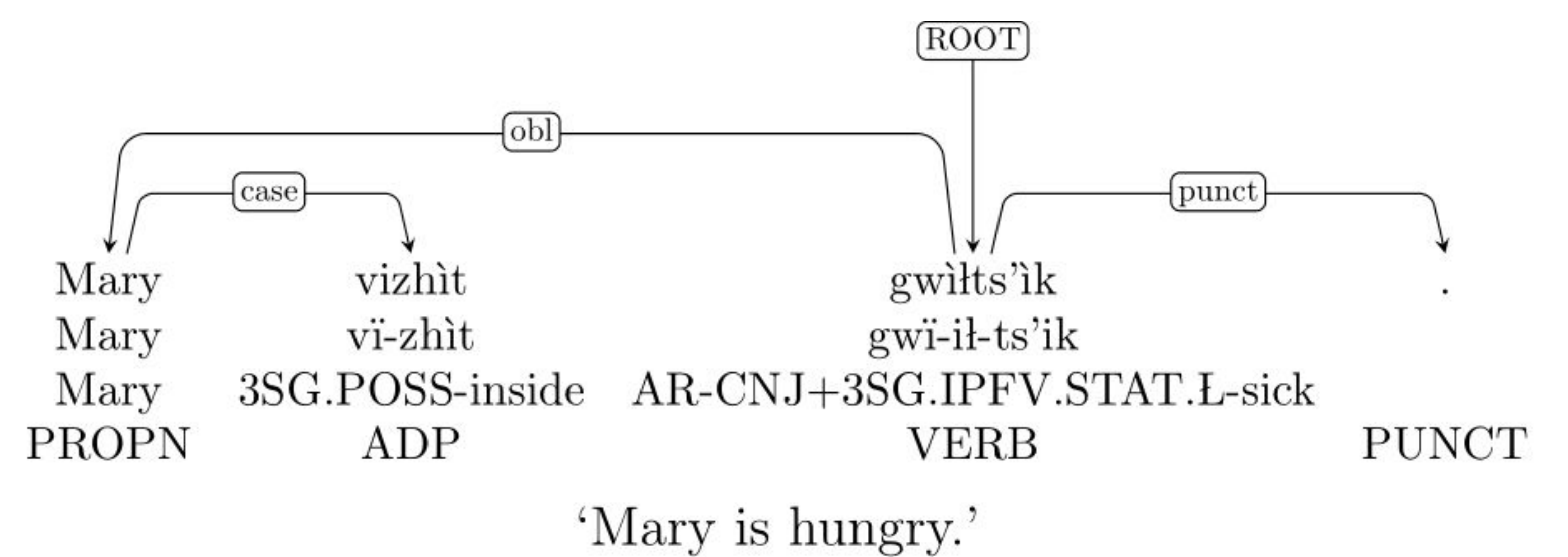
Classificatory verbs example

- In this example, 'give' is expressed in Gwich'in by 'positioning obj. in recipient's palm', but the verb stem and classifier are different depending on the noun class of the object (e.g., cloth-like (FO), stick-like (LRO), animate (AO), etc).



Postposition Inflection

- Gwich'in postpositions must agree with their object.
- If the object is human, the postposition is inflected for person.
- If the object is non-human, there is no inflection.
- If the object is areal, the postposition requires the gwī- prefix.
- If the object is unspecified, the postposition takes the 3rd person object prefix.



What's the lemma?

- *Ch'aqhtsii* means 'She is picking berries'
- This verb has stem *-tsii* and takes classifier L subject prefixes (eg., *ah-* for 3SG)
- Notice that 'big' also has verb stem *-tsii*, but takes classifier Ø subject prefixes (e.g., *nī-* for 3SG)
- In the sentence 'She picked berries', the verb stem changes to *-tsajj* and takes the perfective subject prefixes for the L classifier = *Ch'ijltsajj*

