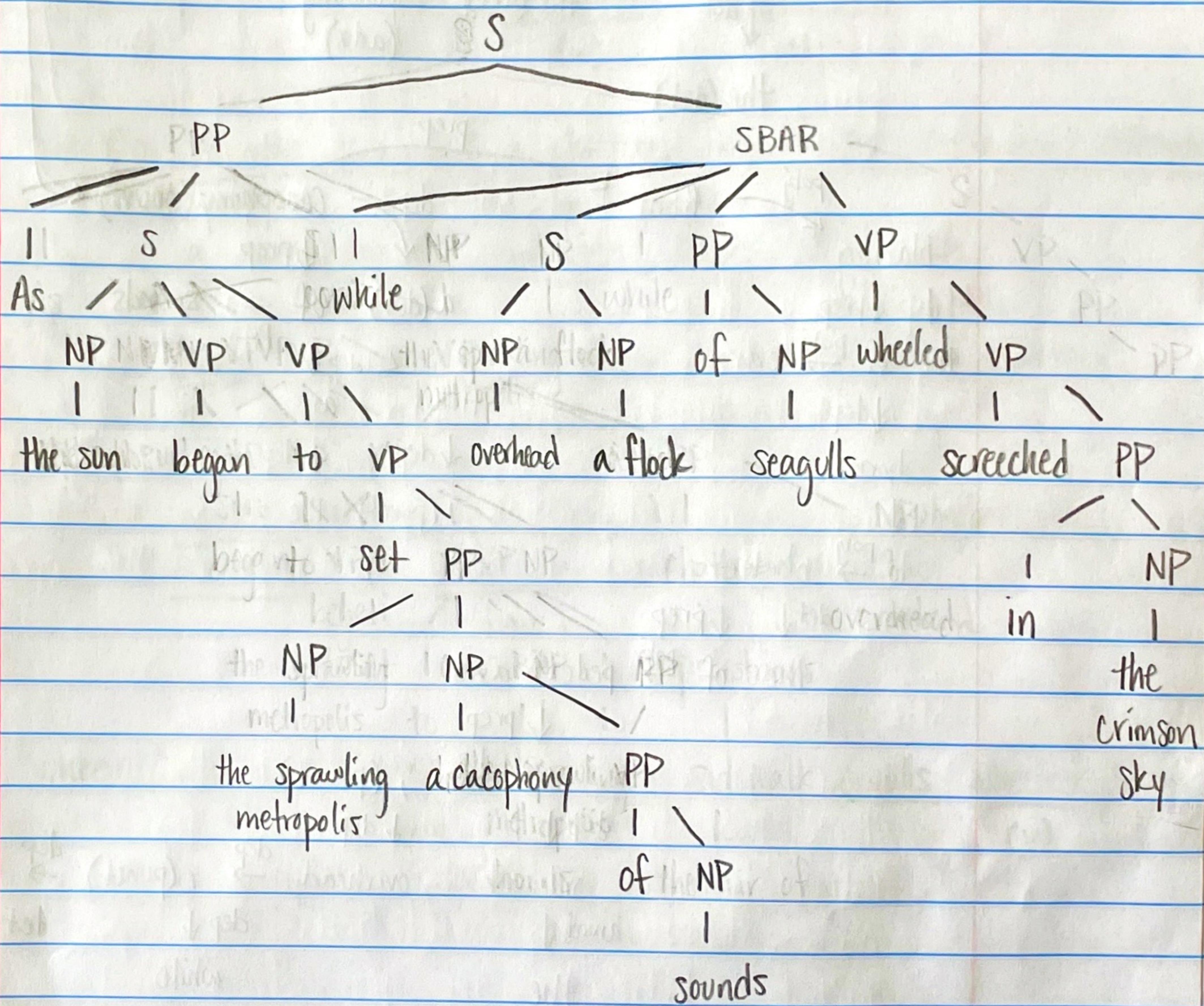


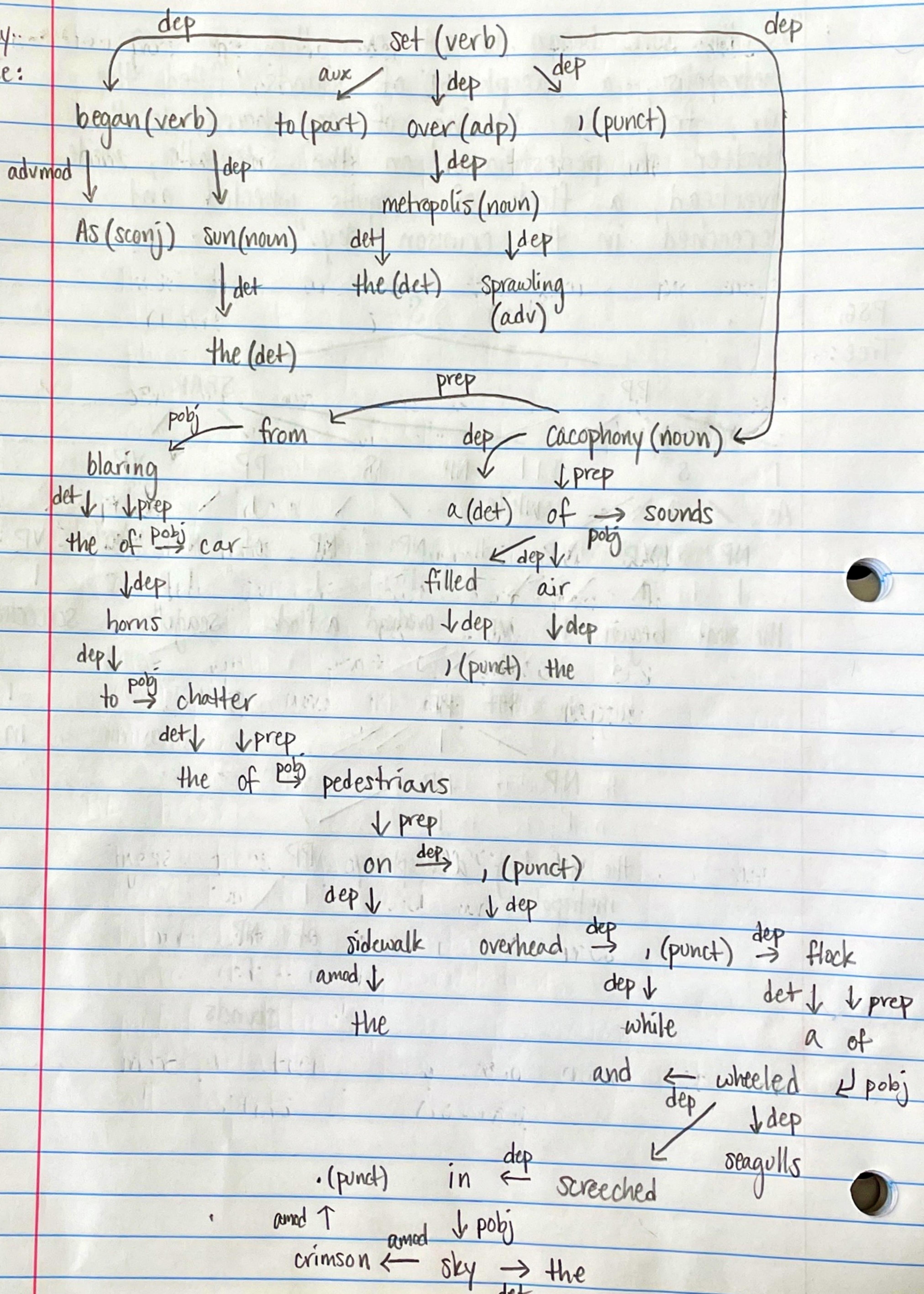
Sentence Parsing

"As the sun began to set over the sprawling metropolis, a cacophony of sounds filled the air, from the blaring of car horns to the chatter of pedestrians on the sidewalk, while overhead, a flock of seagulls wheeled and screeched in the crimson sky."

PSG
Tree:



Dependency..
Parse Tree:



SRL
Parse:

"began": began to set over the sprawling metropolis
(v) (arg 1)

"set": the sun began to set over the sprawling metropolis
(arg 1) (v) (arg 2)

"sprawling": over the sprawling metropolis
(v) (arg 1)

"filled": As the sun began to set over the sprawling metropolis
(argm - tmp)

a cacophony of sounds filled the air,
(arg 2) (v) (arg 1)

from the blaring of car horns to the chatter
of pedestrians on the sidewalk,
(c - arg 2)

while overhead, a flock of seagulls wheeled and
screeched in the crimson sky.
(argm - tmp)

"wheeled": while overhead, a flock of seagulls wheeled and
(argm - loc) (arg 1) (v)

screeched in the crimson sky.
(argm - loc)

"screeched": while overhead, a flock of seagulls wheeled and
(argm - loc) (arg 1)

screeched in the crimson sky
(v) (argm - loc)

PSG parse trees, dependency parse trees, and SRL parse trees are NLP tools that aid in understanding the structure of sentences. Some of the pros and cons of each of the parse trees include:

PSG trees:

These trees are useful for getting the entire structure of a sentence and giving the phrases and grammatical representation of the sentence. Some cons are the accuracy and complex nature of the trees.

Dependency trees:

These trees are much simpler and can be created quicker than PSG trees. They are useful for sentiment analysis. The cons that come with dependency parse trees include ambiguity and inability to capture the correct meaning.

SRL trees:

These trees provide more detail than the other two trees and are useful for extracting information from sentences. They provide a more detailed representation. Some cons include difficulty in generation and interpretation. They also may not contain all aspects of meaning.