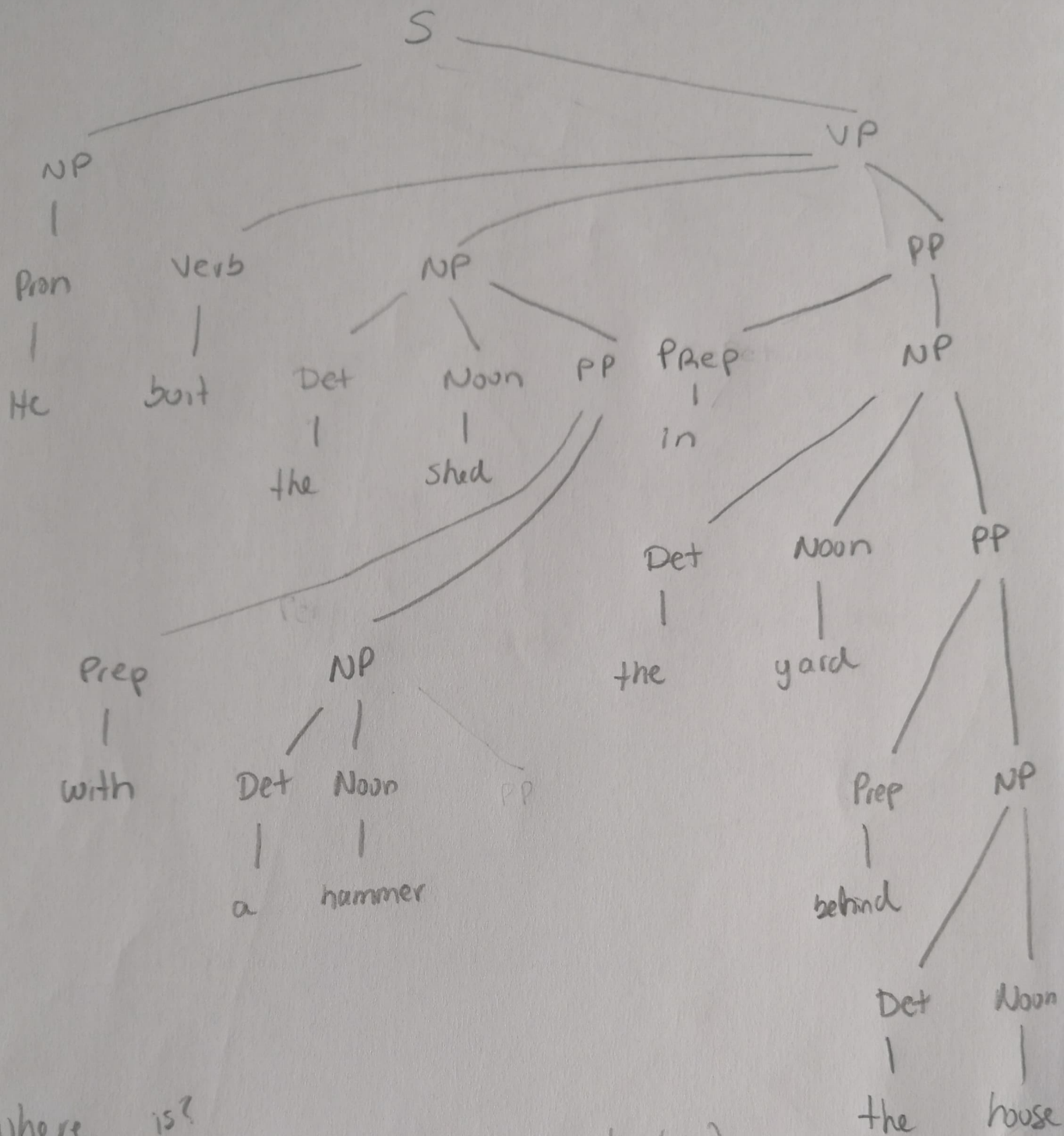


where is?

shed? dunno

hammer? in the yard (behind the house)

yard? behind the house



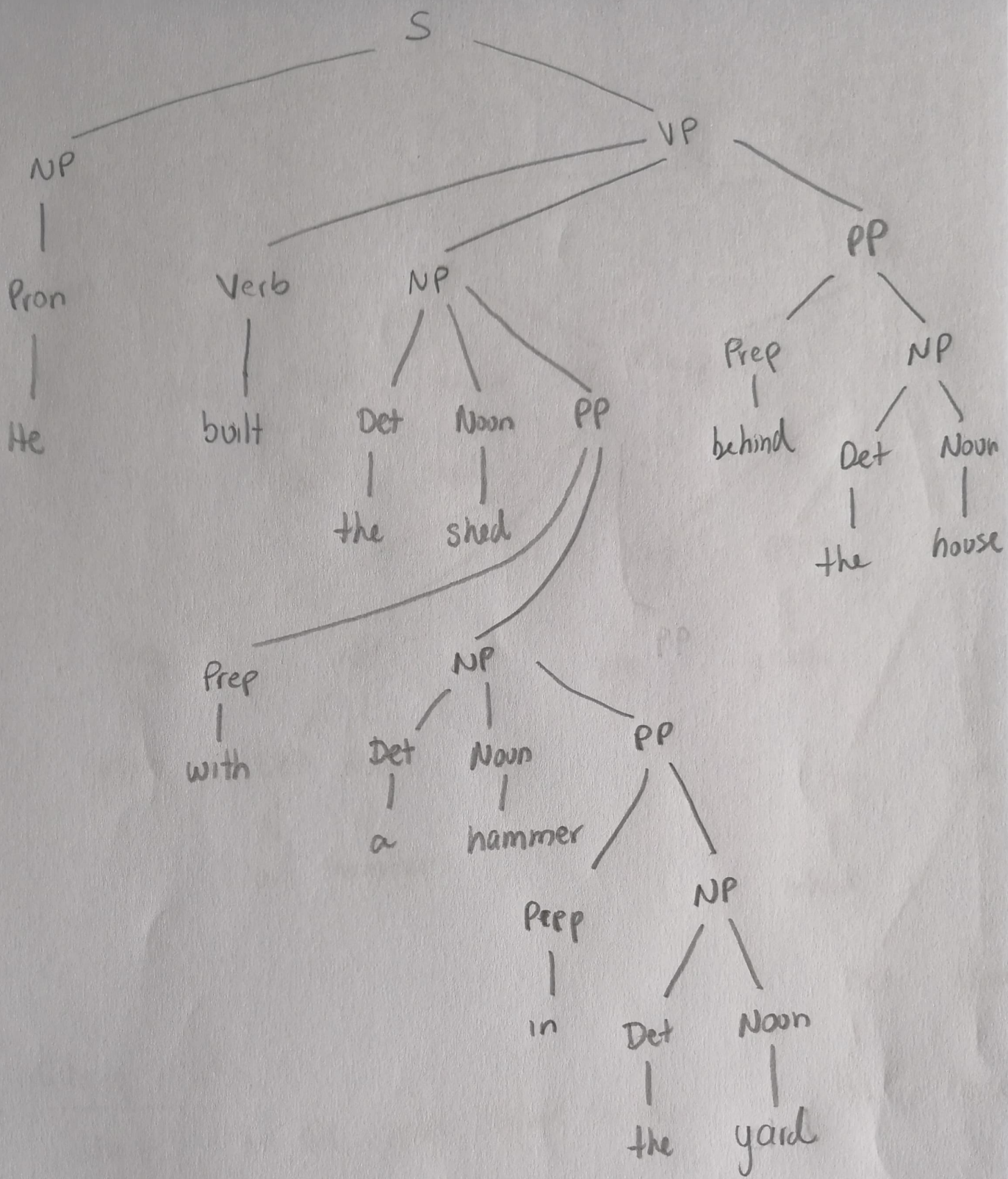
Where is?

shed? in the yard (behind the house)

hammer? dunno

yard? behind the house

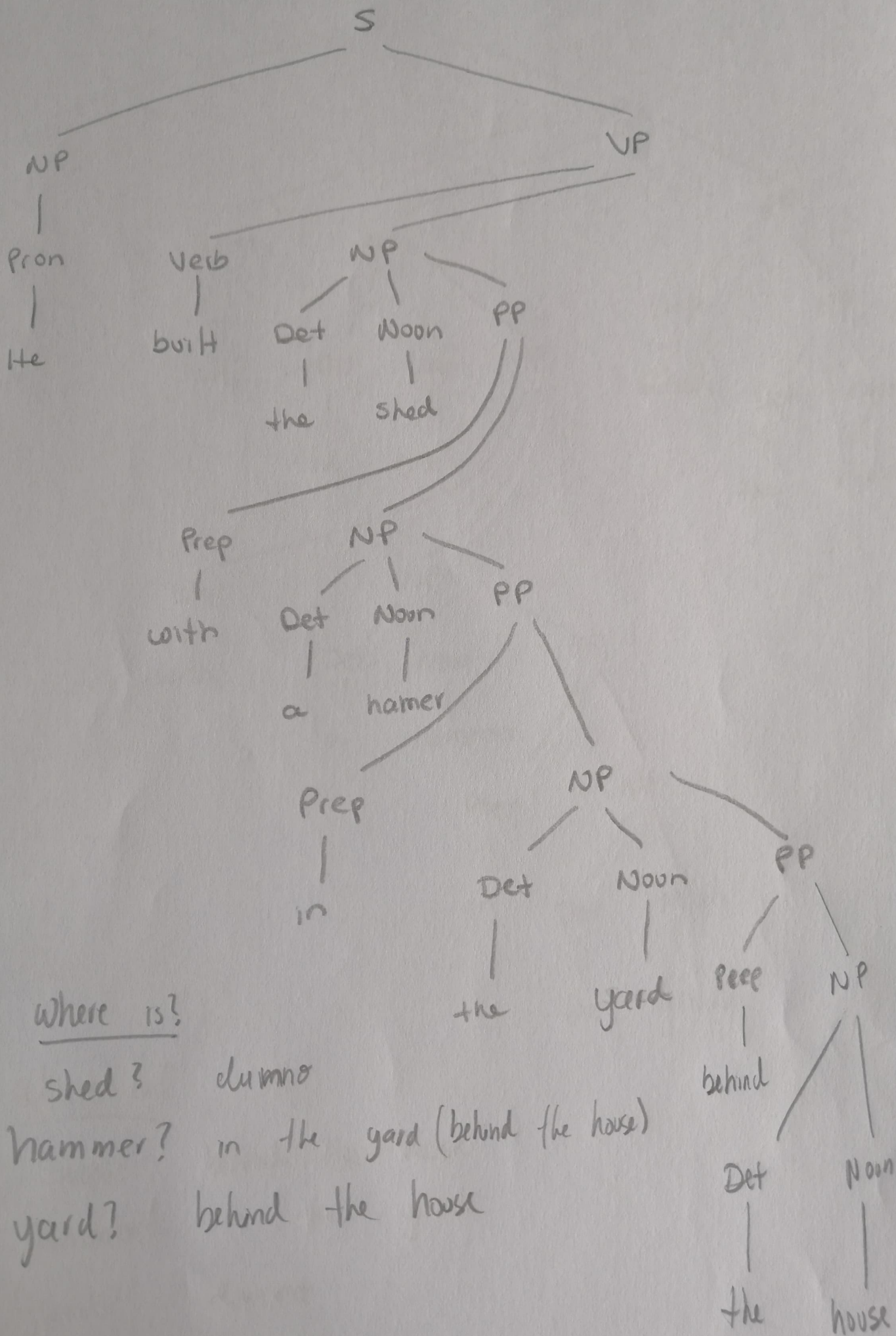




Where is?

|         |                  |
|---------|------------------|
| Shed?   | behind the house |
| hammer? | in the yard      |
| yard?   | dunno            |





2 →

a)  $S \rightarrow NP \ VP$

$S \rightarrow VP \ NP$

$NP \rightarrow \text{time}$

$NP \rightarrow \text{flies}$

$NP \rightarrow \text{arrow}$

$NP \rightarrow \text{Det} \ \text{Noun}$

$NP \rightarrow \text{Noun} \ \text{Noun}$

$NP \rightarrow \text{Noun} \ PP$

$VP \rightarrow \text{time}$

$VP \rightarrow \text{flies}$

$VP \rightarrow \text{like}$

$VP \rightarrow \text{Verb} \ NP$

$VP \rightarrow \text{Verb} \ PP$

$PP \rightarrow \text{Prep} \ NP$

$\text{Noun} \rightarrow \text{time}$

$\text{Noun} \rightarrow \text{flies}$

$\text{Noun} \rightarrow \text{arrow}$

$\text{Verb} \rightarrow \text{time}$

$\text{Verb} \rightarrow \text{flies}$

$\text{Verb} \rightarrow \text{like}$

$\text{Prep} \rightarrow \text{like}$

$\text{Det} \rightarrow \text{an}$

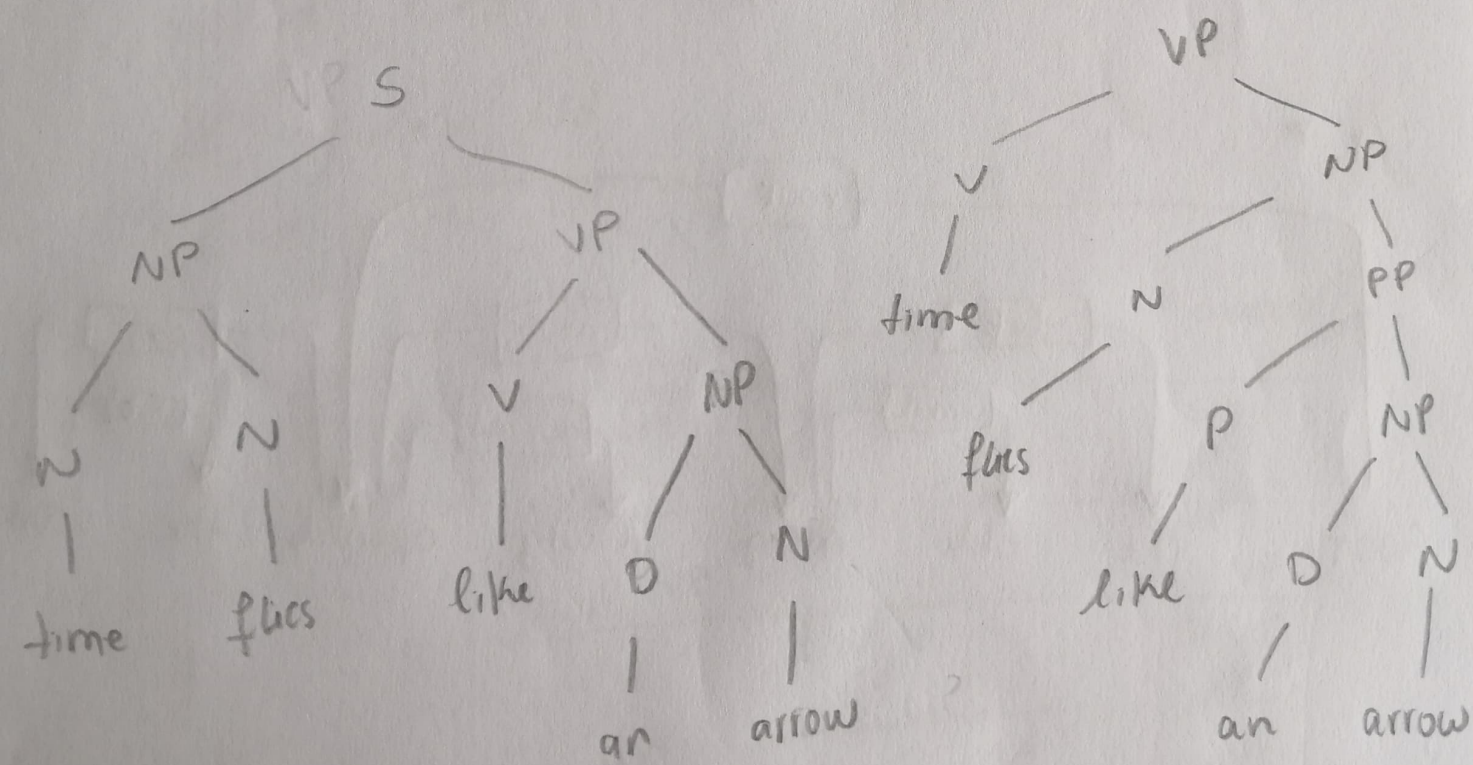
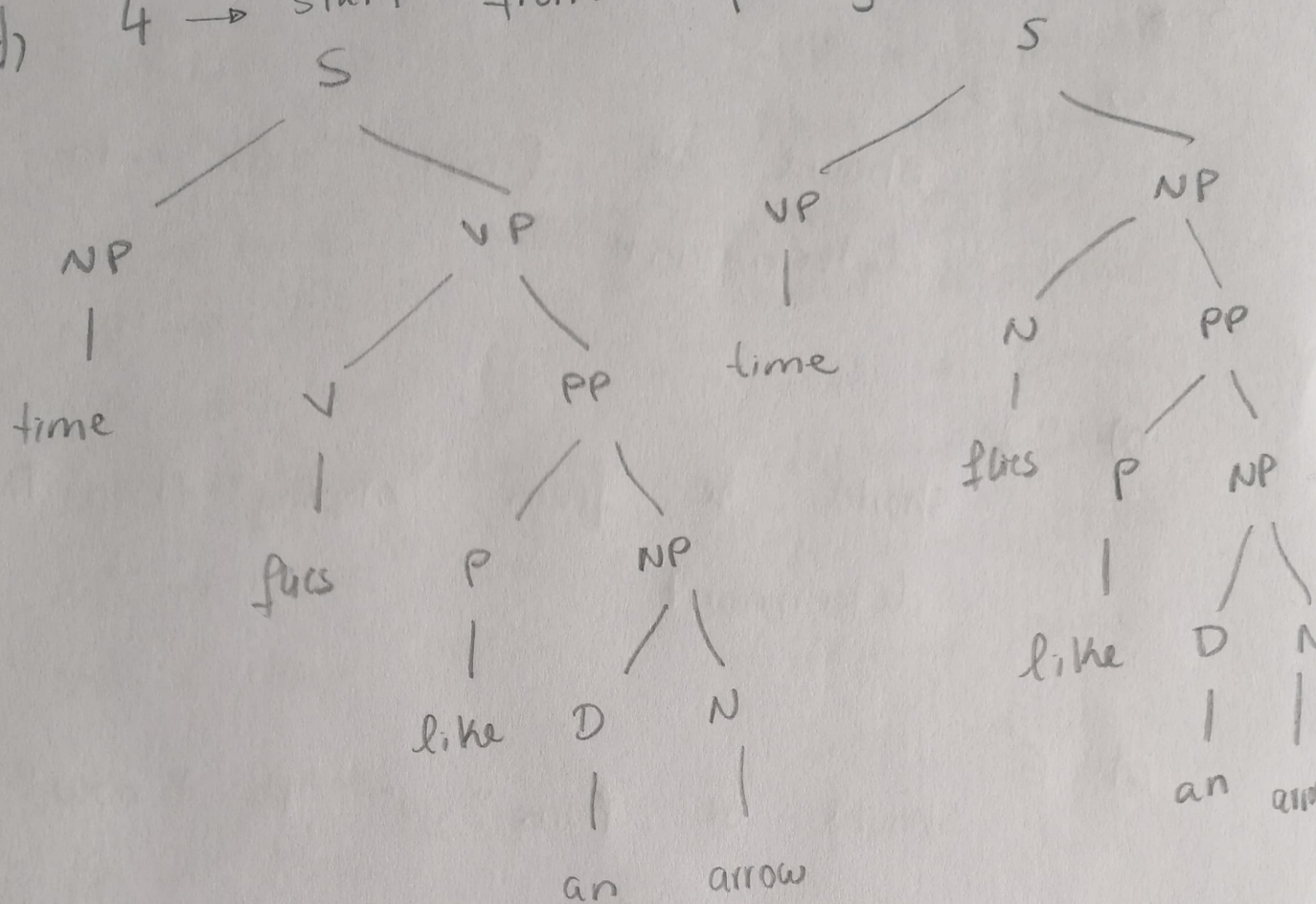
b)

time flies like an arrow

|              |              |           |   |               |
|--------------|--------------|-----------|---|---------------|
| N NP<br>VP V | S NP<br>VP   | S         |   | S<br>VP<br>NP |
|              | V N<br>NP VP | S         |   | S VP<br>PP    |
|              |              | P V<br>VP |   | S VP<br>PP    |
|              |              |           | D | NP            |
|              |              |           |   | N NP          |



c) d) 4 → start from top right



3 →

a) 3

should be from "car" to "a"  
determinant

b) 2

should be from "meeting" to "The"  
determinant

c) 6

should be from "go" to "now"  
adverbial modifier

4 →

