Quenya problem

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Directions

Quenya (/kwenya/) is an Elvish Language of Middle Earth bearing
uncanny resemblances to both Finnish and Welsh. Although some of the
example words in the data below are take from known Elvish
(Tolkienesque) sources, some are made up, the agreement is iffy, and the
word order facts are further fictional examplars of this already fictional
language, concocted purely as a toy PS problem.

Write phrase-structure rules for the following data. Your **single set of
rules** should simultaneously account for all the grammatical sentences and
block the ungrammatical ones. List the words belonging to each lexical
category, positing ambiguous words where necessary. Draw trees for
examples 5, 10, and 12.

Data

0.	sukuvie			
	drink-prf			
	There was drinking.			

1.	sukuvie	nér		
	drink-prf	man		
	The man drank.			

2.	sukuvie	nér	nén	
	drink-prf	man	water	
	The man drank water.			

3.	sukuvie	nér	alta	nén
	drink-prf	man	tall	water
	The tall man drank water.			

4.	sukuvie	nér	nén	alta
	drink-prf	man	water	great
	The man drank holy water.			

Data continued

5.	sukuvie	nér	alta	han
	drink-prf	man	tall	very
	The very tall man drank.			

6.	* sukuvie	alta		
	drink-prf	tall		
	The tall drank.			

7.	* sukuvie	nér	han	
	drink-prf	man	very	
	The very man drank.			

8.	* sukuvie	han		
	drink-prf	very		
	The very drank.			

9.	utuvie	nér	alta	koppa
	find-prf	man	tall	cup
	The tall man found a cup.			

Data continued

10.	utuvie	nér	alta	auré	koppa		
	find-prf	man	tall	golden	cup		

The tall man found a golden cup.

* The tall golden man found a cup.

11.	sukuvie	nér	loma	tana	an		
	drink-prf	man	night	that	on		

The man drank on that night.

12.	utuvie	nér	koppa	auré	loma	tana	an
	find-prf	man	cup	golden	night	that	on

The man found a cup on that golden night.

* The man found a golden cup on that night.

13.	sukuvie	néva	nén				
	drink-prf	woman	water				

The woman drank water.

Data continued

14.	sukuvie	nér	nén	néva	alté	fe
	drink-prf	man	water	woman	tall	pos
	The man drank the tall woman's water.					