

Quiz #01

Natural Language Processing

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PN verb det N IN det

- ① They observed the stars in the
N IN det N
sky with a telescope.

PN V det N IN det

- ② He saw the man on the
N IN det N
hill with a telescope

VP NP

$S \rightarrow PR \quad V \quad Det \quad N \quad IN$
 $\quad \quad Det \quad \underline{N \quad IN} \quad \underline{Det \quad N}$
 $\quad \quad \quad \quad NP \quad \quad \quad NP$

$S \rightarrow VP \quad NP \quad IN \quad Det$
 $\quad \quad NP \quad \quad NP$

$S \rightarrow VP \quad NP \quad IN \quad NP \quad NP$

$S \rightarrow VP \quad NP \quad NP \quad NP$

$S \rightarrow VP \quad NP \quad NP$

$S \rightarrow VP \quad NP$

Missing Vocabulary

$VP \rightarrow V \quad NP$

He	saw	the	man	on	the	hill	with	a	telescope
He	PR								
Saw	V	α	VP	α	X	VP	α	α	VP
the		Det	NP	x	x	α	α	α	α
man			N	α	α	X	X	α	α
on				IN		NP	α	x	α
the					Det	NP	α	α	α
hill						N	x	x	α
with							IN	x	NP
a								Det	NP
telescope									N



