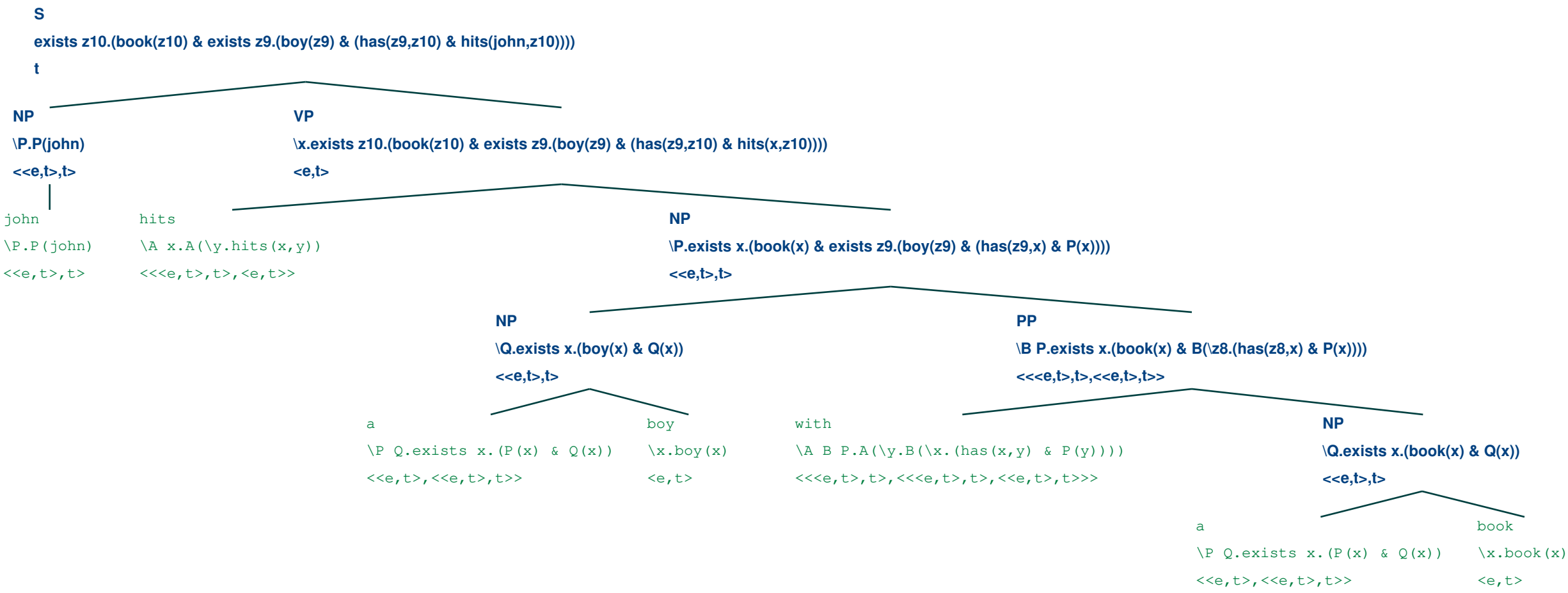
S
exists z10.(book(z10) & exists z9.(boy(z9) & (has(z9,z10) & hits(john,z10))))
t
NP
\P.P(john)
<<e,t>,t>
VP
\x.exists z10.(book(z10) & exists z9.(boy(z9) & (has(z9,z10) & hits(x,z10))))
<e,t>
john
\P.P(john)
<<e,t>,t>
hits
\A x.A(\y.hits(x,y))
<<<e,t>,t>,<e,t>>
NP
\P.exists x.(book(x) & exists z9.(boy(z9) & (has(z9,x) & P(x))))
<<e,t>,t>
NP
\Q.exists x.(boy(x) & Q(x))
<<e,t>,t>
PP
\B P.exists x.(book(x) & B(\z8.(has(z8,x) & P(x))))
<<<e,t>,t>,<<e,t>,t>>
a
\P Q.exists x.(P(x) & Q(x))
<<e,t>,<<e,t>,t>>
boy
\x.boy(x)
<e,t>
with
\A B P.A(\y.B(\x.(has(x,y) & P(y))))
<<<e,t>,t>,<<<e,t>,t>,<<e,t>,t>>>
NP
\Q.exists x.(book(x) & Q(x))
<<e,t>,t>
a
\P Q.exists x.(P(x) & Q(x))
<<e,t>,<<e,t>,t>>
book
\x.book(x)
<e,t>