Here are some lines of latex code that go at the top of the file. Other useful info can be added here.

- random seed: 761
- WMCFG grammar file used for sampling: japanesepromotion.N-ga-Vt-N.global.chart
- $\bullet$  md5sum for this grammar file: 8d5dce6a3b913d956eb756311ffad00a
- timestamp for generating this sample: 2012-07-29 23:00:37

# Surface strings

- 1. 0.360343960107 "N ga Vt N ga Vi"
- 2. 0.13970131966 "N ga Vt N ga N o Vt"
- 3. 0.0435899159453 "N ga Vt N o Vt"
- 4. 0.0435899159453 "N ga Vt N o Vt"
- 5. 0.0335082120858 "N ga Vt N o Vt"
- 6. 0.0135052591602 "N ga V<br/>t N ga Vi fact ga Vi"
- 7. 0.0135052591602 "N ga V<br/>t N ga Vi fact ga Vi"
- 8. 0.01197862067"N ga V<br/>t ${\rm N}$ ga V<br/>t ${\rm N}$ ga V<br/>t ${\rm N}$ ga Vi"
- 9. 0.01197862067"N ga V<br/>t ${\rm N}$ ga V<br/>t ${\rm N}$ ga V<br/>t ${\rm N}$ ga Vi"
- $10.\ 0.0109701477623$ "N ga V<br/>tNga V<br/>tNga N o V<br/>t fact ga Vi"
- 11. 0.0109701477623"N ga V<br/>t ${\rm N}$ ga V<br/>t ${\rm N}$ ga N o V<br/>t fact ga Vi"
- 12. 0.00897764906869 "N ga V<br/>t N ga Vi N o Vt"
- 13. 0.00897672266724"N ga V<br/>t ${\bf N}$ o V<br/>t fact ga Vi"
- 14. 0.00897672266724"N ga V<br/>t ${\bf N}$ o V<br/>t fact ga Vi"
- 15. 0.00523583779915"N ga V<br/>t ${\bf N}$ ga V<br/>t ${\bf R}$ ga Vi fact ga N o Vt

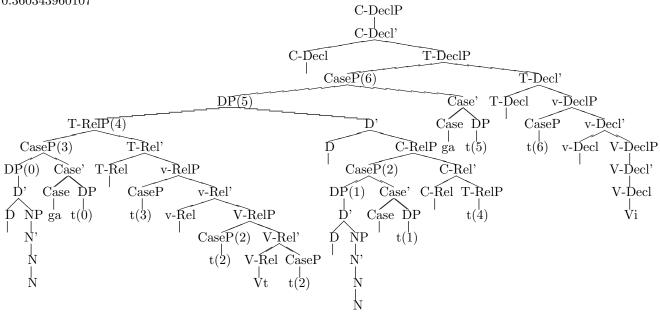
- 16. 0.00523583779915 "N ga Vt N ga Vi fact ga N o Vt"
- 17. 0.00464397714564 "N ga Vt N ga Vt N ga N o Vt"
- 18. 0.00464397714564 "N ga Vt N ga Vt N ga N o Vt"
- 19. 0.00464397714564 "N ga Vt N ga N ga Vt N o Vt"
- 20. 0.00428441483853 "N ga Vt N ga Vi fact o Vt"
- 21. 0.00425300348812 "N ga Vt N ga N o Vt fact ga N o Vt"
- 22. 0.00425300348812 "N ga Vt N ga N o Vt fact ga N o Vt"
- 23. 0.00425300348812"N ga V<br/>t ${\bf N}$ ga V ga N ga N o V<br/>t fact o Vt"
- 24. 0.00372493932455 "N ga Vt N o Vt N ga Vi"
- 25. 0.00348017489307 "N ga Vt N ga N o Vt fact o Vt"
- 26. 0.00342292986229 "N ga Vt N o Vt fact ga Vi"
- 27. 0.00342292986229 "N ga Vt N o Vt fact ga Vi"
- 28. 0.00163369773545 "N ga Vt N ga Vi fact o Vt"
- 29. 0.00163369773545"N ga V<br/>t ${\rm N}$ ga V<br/>t ${\rm R}$ ga Vi fact o Vt"
- 30. 0.00144902406021"N ga V<br/>t ${\rm N}$ ga V<br/>t ${\rm N}$ o V<br/>t"
- 31. 0.00144411727933"N ga V<br/>t ${\rm N}$ o V<br/>t ${\rm N}$ ga N o V<br/>t"
- 32. 0.00132703159149"N ga V<br/>t ${\bf N}$ o V<br/>t fact ga N o Vt"
- 33. 0.00132703159149"N ga V<br/>t ${\bf N}$ o V<br/>t fact ga N o Vt"
- 34. 0.00125584757429 "N ga V<br/>t N ga Vi fact o Vt"
- 35. 0.00111388619303 "N ga V<br/>t N ga Vt N o Vt"
- 36. 0.00108589189732 "N ga Vt N o Vt fact o Vt"
- 37. 0.000969521123588 "N ga Vt N ga Vt fact ga Vi"

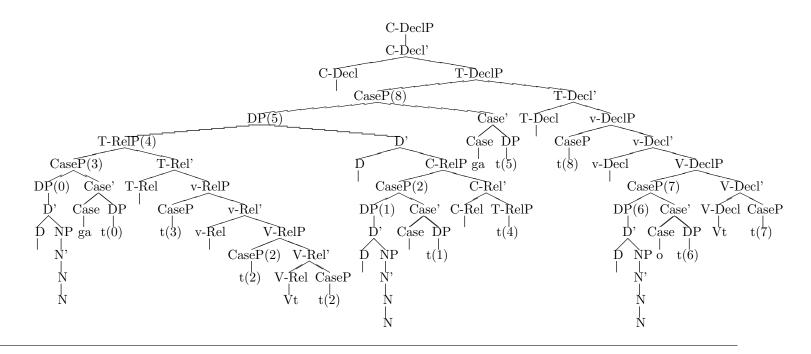
- 38. 0.000969521123588 "N ga Vt N ga Vt fact ga Vi"
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- 40. 0.000364671683964 "N ga Vt N ga Vt N ga Vt N o Vt fact ga Vi"
- 41. 0.000336436792208 "N ga Vt N o Vt fact ga Vi fact ga Vi"
- 42. 0.000336436792208 "N ga Vt N ga Vi fact o Vt fact ga Vi"
- 43. 0.000333970193065 "N ga Vt N ga N ga N o Vt fact o Vt fact ga Vi"
- 44. 0.000298405877703 "N ga Vt N o Vt fact ga Vt N ga Vi"
- 45. 0.000273311468333 "N ga Vt N ga N o Vt fact ga Vi N o Vt"
- 46. 0.0001543759485 "N ga Vt N ga Vt N ga Vt N ga N o Vt"
- 47. 0.000139606255421 "N ga Vt N o Vt N ga Vi fact ga Vi"
- 48. 0.000130432778281 "N ga Vt N o Vt fact ga Vi fact ga N o Vt"
- 49. 0.000129476505404 "N ga Vt N ga N ga N o Vt fact ga N o Vt fact o Vt"
- 50. 0.000129476505404 "N ga Vt N ga N ga N ga N o Vt fact o Vt fact o Vt"
- 51. 0.00012828730323 "N ga Vt N ga Vi fact o Vt fact ga Vi"
- 52. 0.000104206121169 "N ga Vt N ga N o Vt fact o Vt fact ga Vi"
- 53. 0.000104206121169 "N ga Vt N ga N o Vt fact o Vt fact ga Vi"
- 54. 8.66965130742e-5 "N ga Vt N ga N o Vt fact o Vt fact o Vt"
- 55. 6.12290304521e-5 "N ga Vt N ga Vi fact ga Vi fact o Vt"
- 56. 5.43076827391e-5 "N ga Vt N ga Vi fact ga Vt N o Vt"
- 57. 5.43076827391e-5 "N ga Vt N ga Vt N ga Vi fact o Vt"
- 58. 5.41237824806e-5 "N ga Vt N o Vt N ga N ga Vi fact o Vt"
- 59. 4.80056140999e-5 "N ga Vt N ga Vt N o Vt N ga N o Vt"

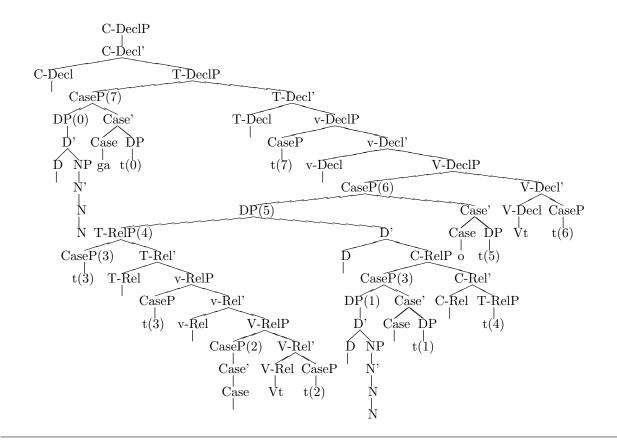
- 60. 4.41134299765e-5 "N ga Vt N ga Vt N ga N o Vt fact o Vt"
- 61. 3.82324528288e-5 "N ga Vt N ga N ga Vi fact o Vt fact o Vt"
- 62. 3.53834321115e-5 "N ga Vt N o Vt fact o Vt N ga Vi"
- 63. 1.54093325678e-5 "N ga Vt N ga Vi fact ga Vi fact ga N o Vt fact ga Vi"
- 64. 1.49238904662e-5 "N ga Vt N ga Vt R ga Vt N ga Vt N ga Vt N ga Vi"
- 65. 1.36674570564e-5 "N ga Vt N ga N ga Vi fact ga Vt N o Vt fact ga Vi"
- 66. 1.21224836681e-5 "N ga Vt N ga Vt N ga N o Vt fact ga Vt N ga Vi"
- 67. 1.19293748208e-5 "N ga Vt N ga Vi fact o Vt fact o Vt"
- 68. 9.920687175e-6 "N ga Vt N ga Vt N ga Vt N ga Vi N o Vt"
- 69. 9.15257289344e-6 "N ga Vt N ga Vi fact ga Vt Vi N o Vt"
- 70. 4.8526240321e-6 "N ga Vt N ga N o Vt fact ga Vi fact ga N o Vt fact ga N o Vt"
- 71. 4.65658543944e-6 "N ga Vt N ga Vt Vt N ga Vi fact ga Vi"
- 72. 1.0989334376e-6 "N ga Vt N ga Vt N ga N o Vt fact o Vt fact o Vt"
- 73. 3.1126526807e-7 "N ga Vt N ga Vt N ga Vt fact o Vt fact o Vt"
- 74. 2.23517933145e-7 "N ga Vt N o Vt Vi Vi N ga Vi fact ga N o Vt"
- 75. 1.68072438425e-7 "N ga Vt N o Vt fact ga Vi Vi Vi fact o Vt"
- 76. 1.54270898439e-7 "N ga Vt N o Vt N ga Vt N ga Vt N ga Vi fact ga Vi"
- 77. 1.1828719234e-7 "N ga Vt N ga N o Vt N ga Vt fact ga N o Vt fact o Vt"
- 78. 1.23586826098e-8 "N ga Vt N ga Vt N ga Vt fact o Vt fact ga Vt N ga Vt N ga Vi"
- 79. 1.35909824854e-9 "N ga Vt N ga N o Vt fact ga Vt N ga Vt N ga N o Vt fact o Vt fact ga N o Vt"
- 80. 1.06369911874e-9 "N ga Vt N o Vt Vi N ga Vt N ga Vt N ga Vt N o Vt"

## X-bar structures

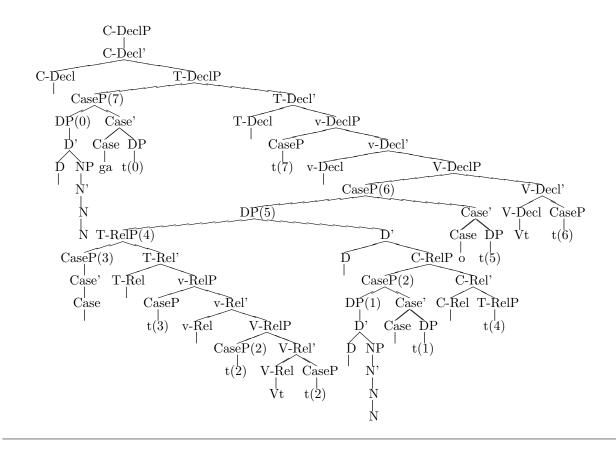
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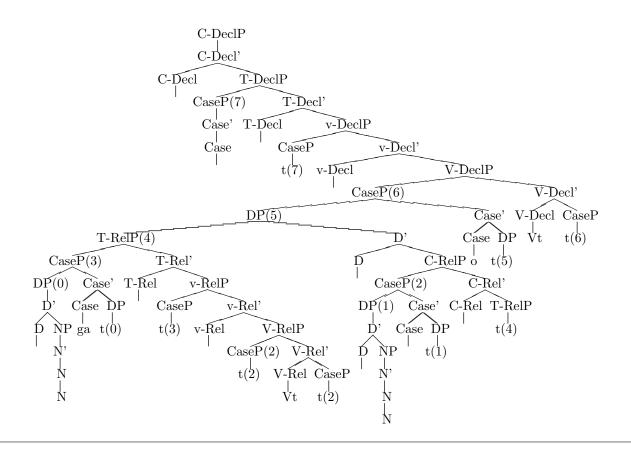




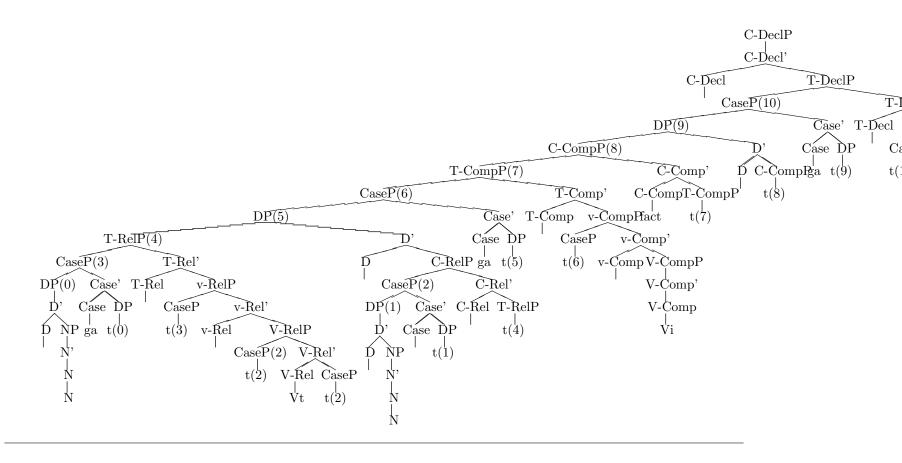


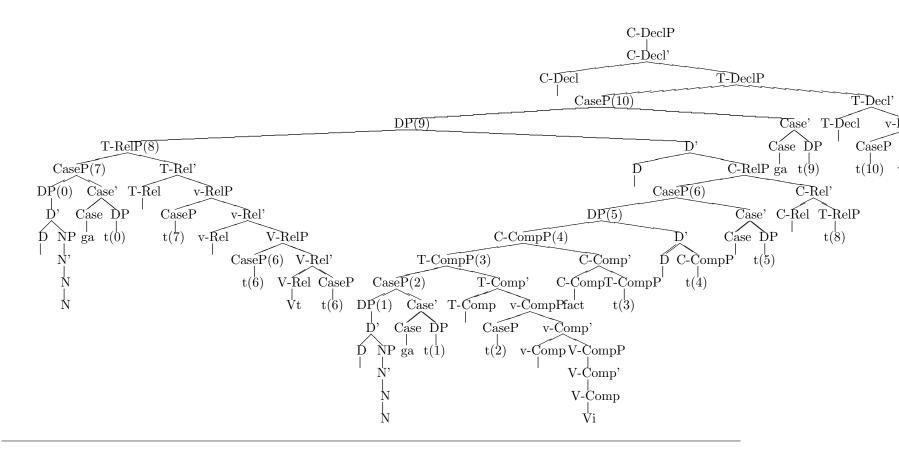
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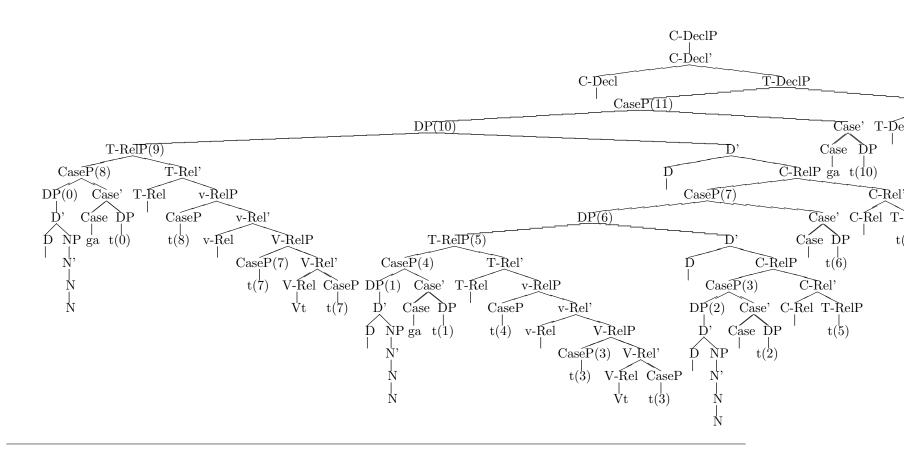


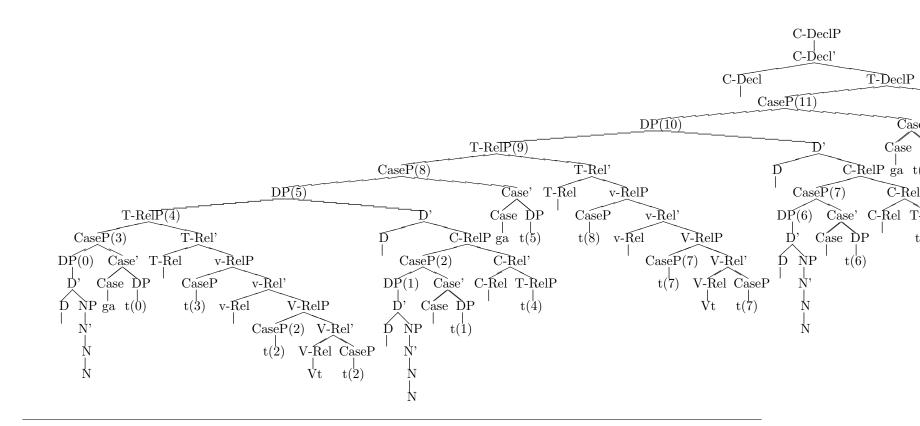


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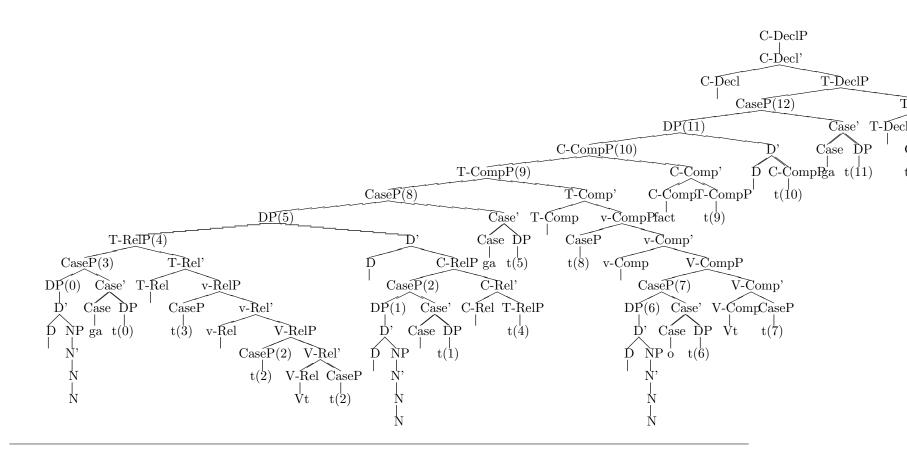




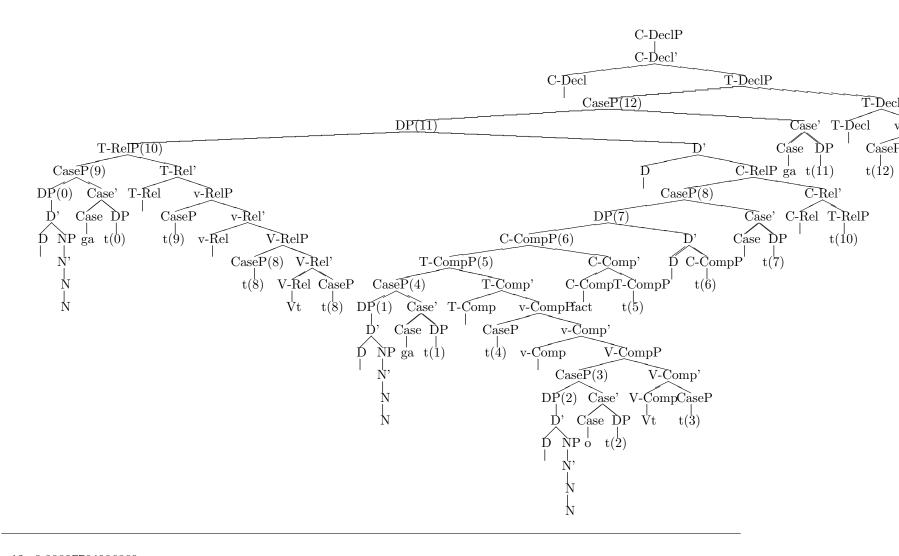


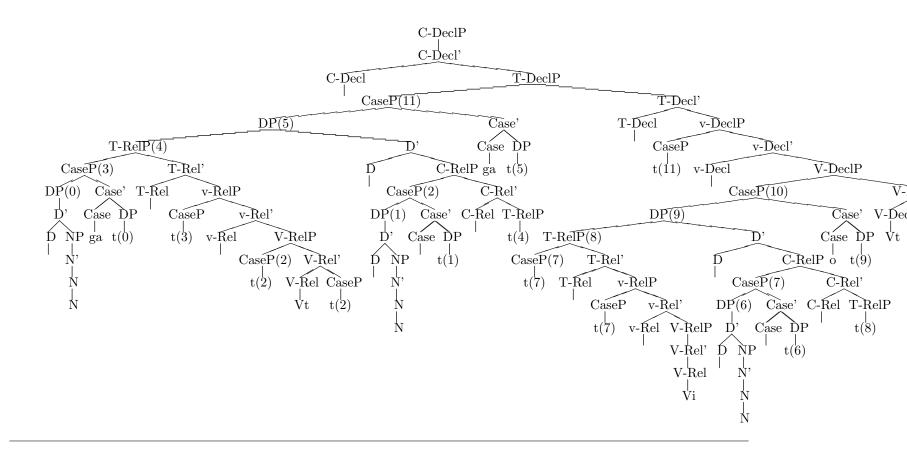


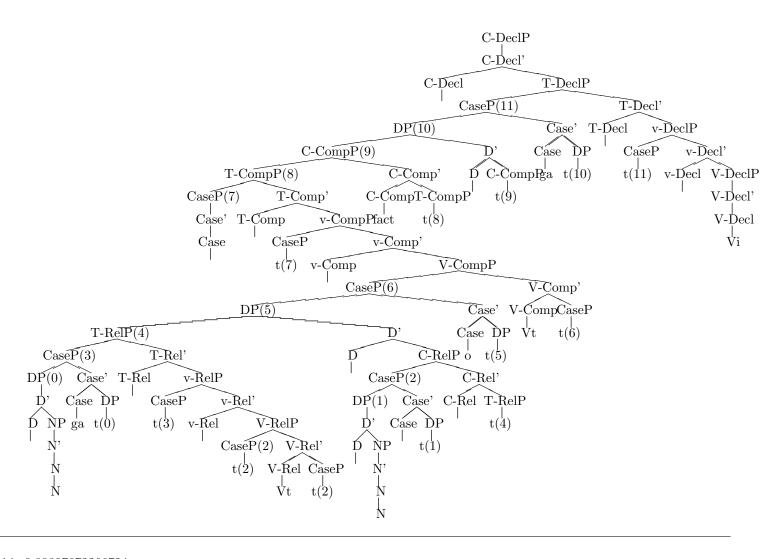
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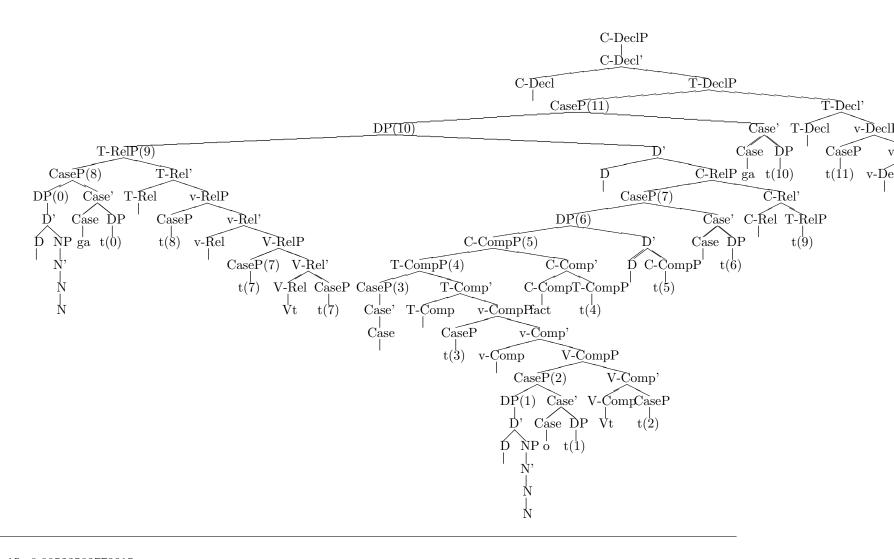
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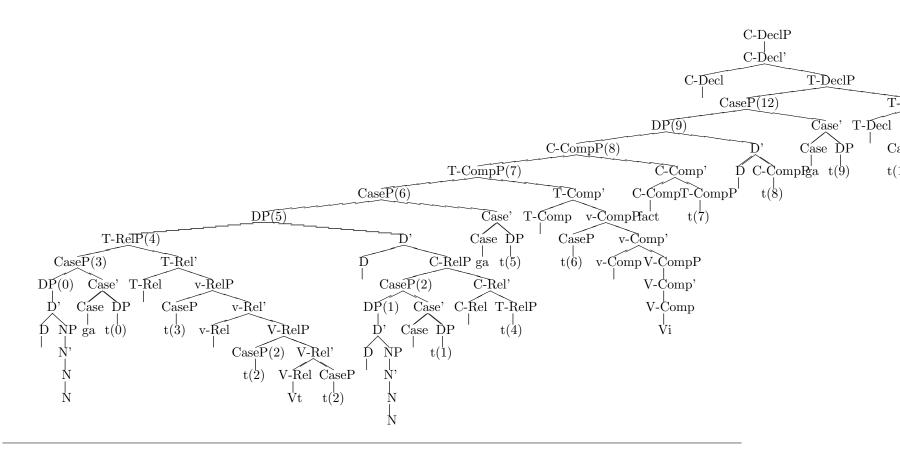




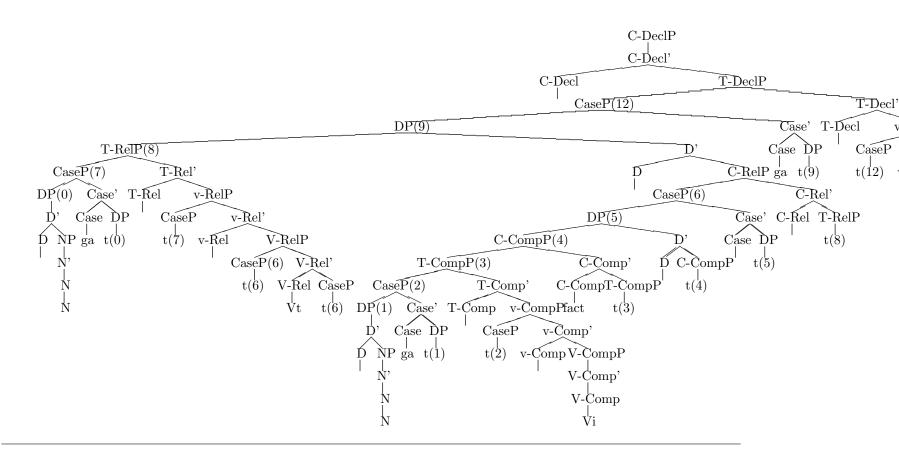


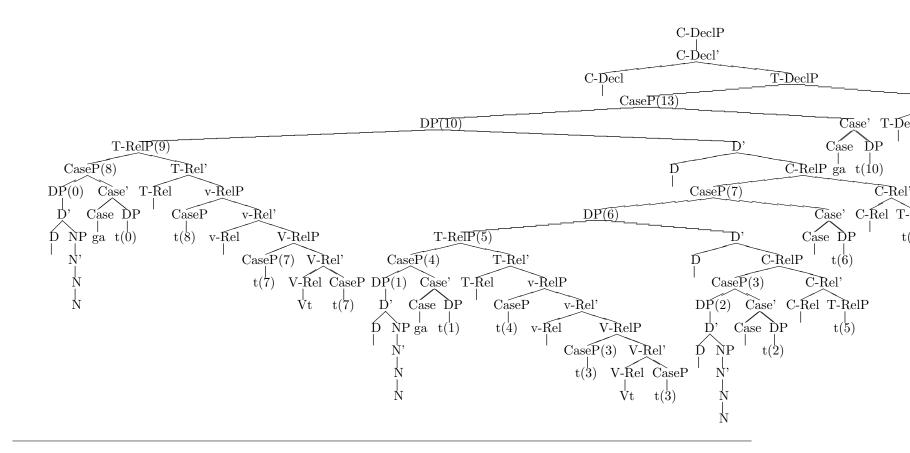
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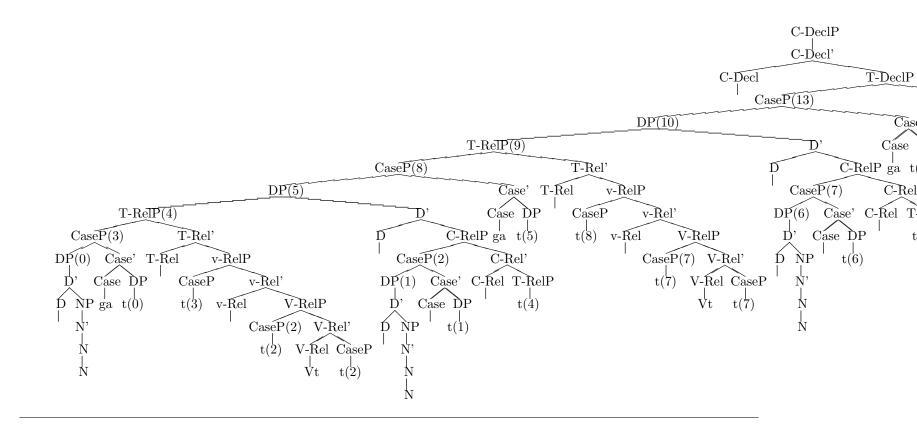




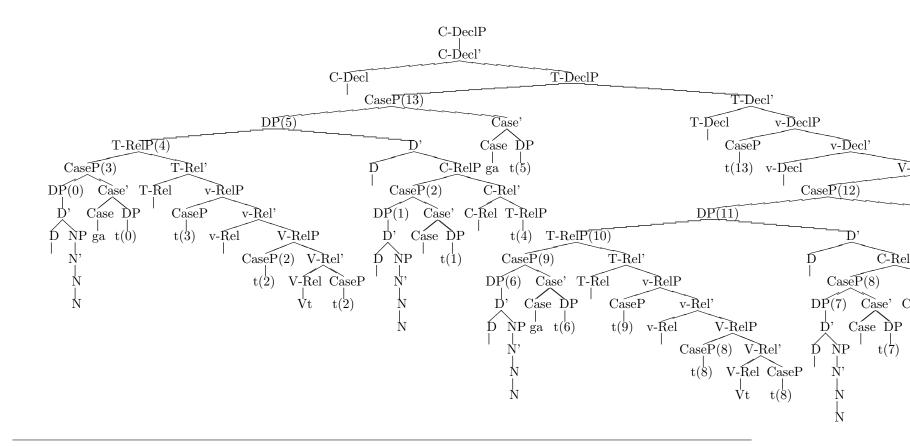
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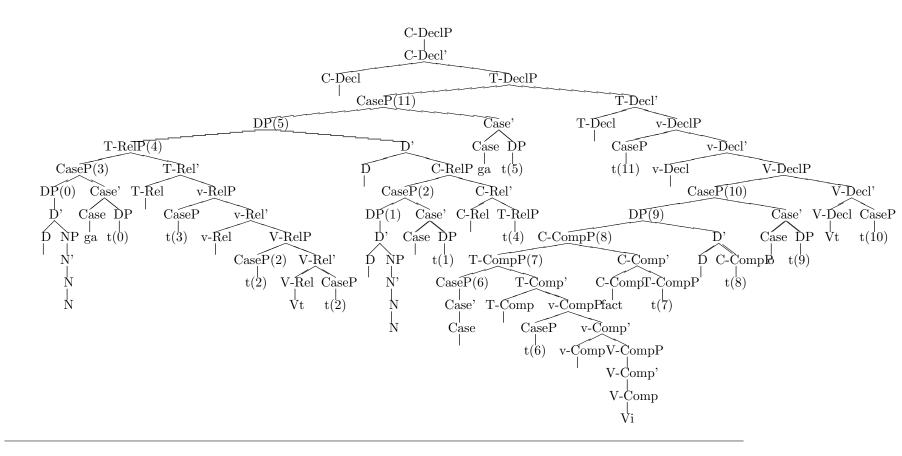




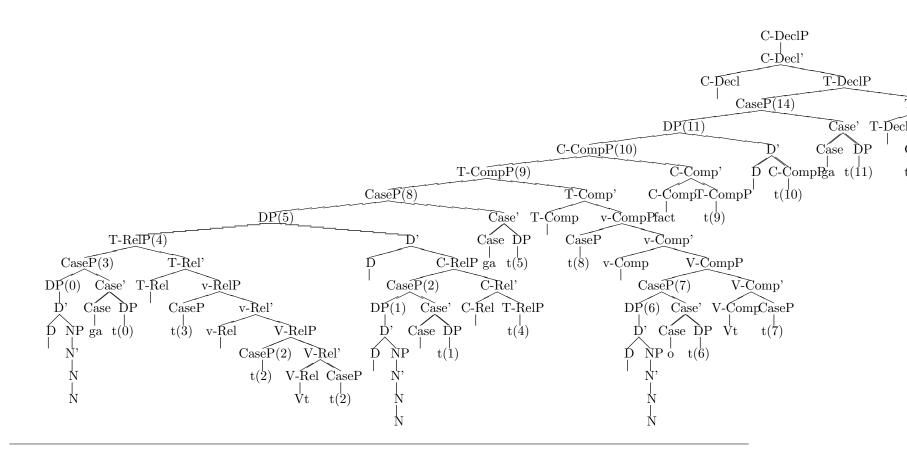


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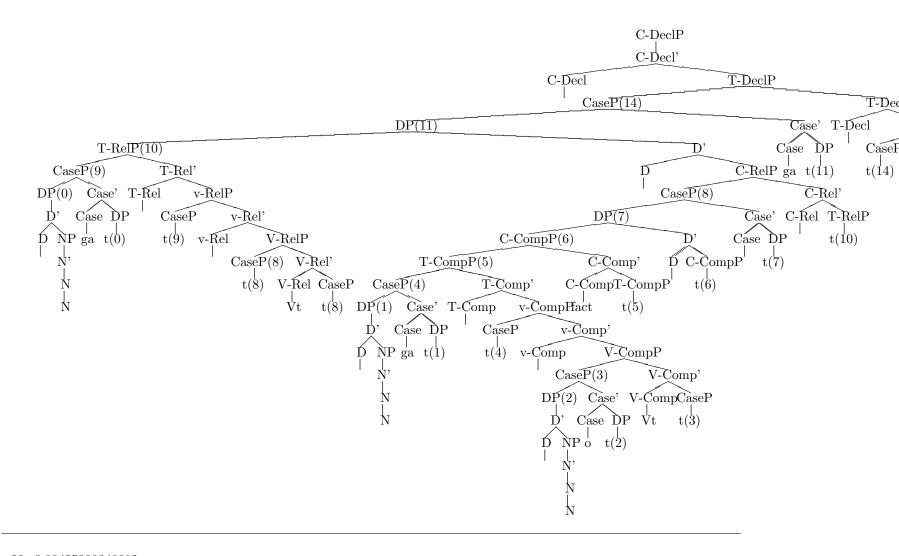


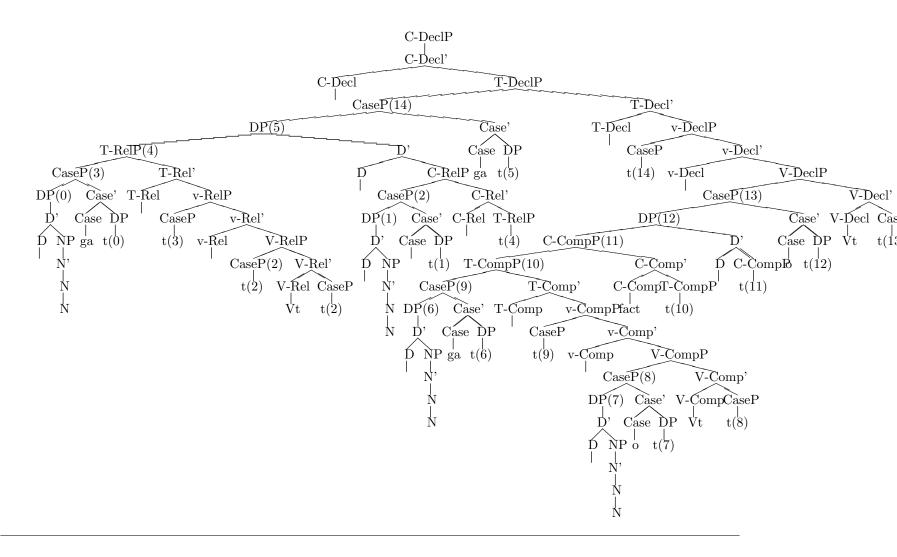


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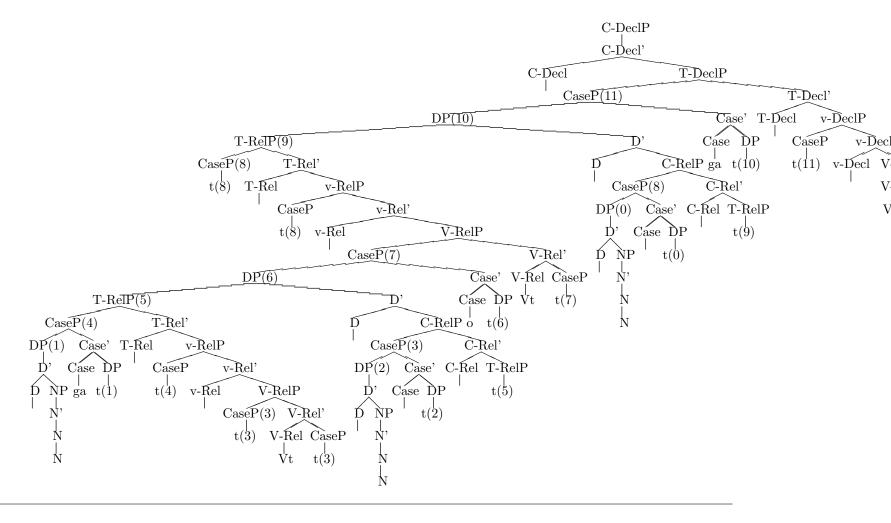


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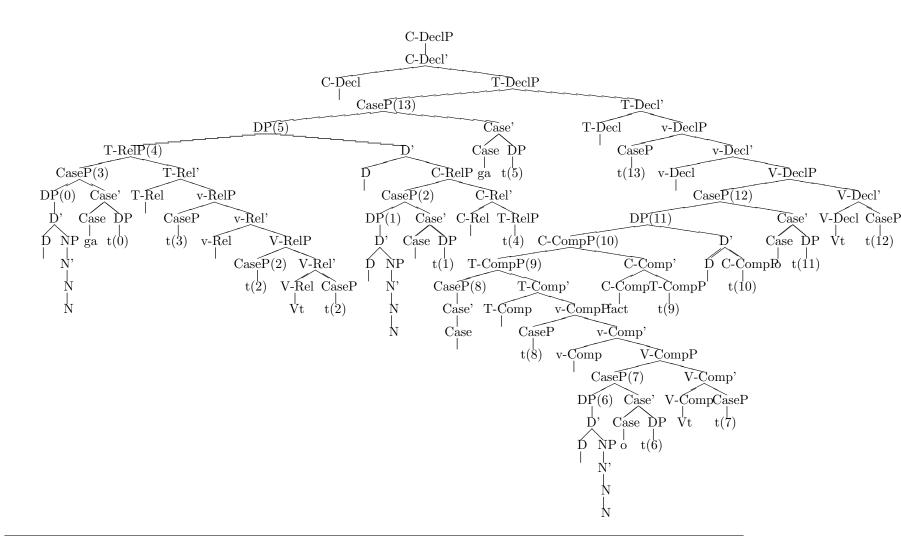


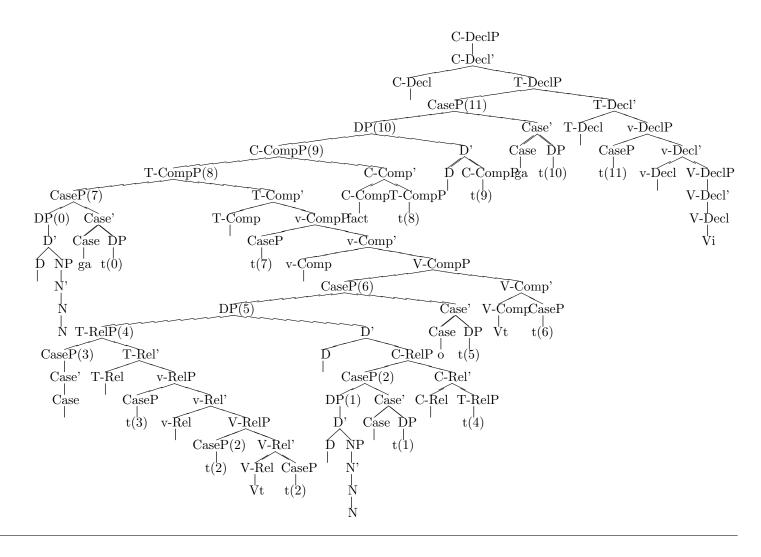


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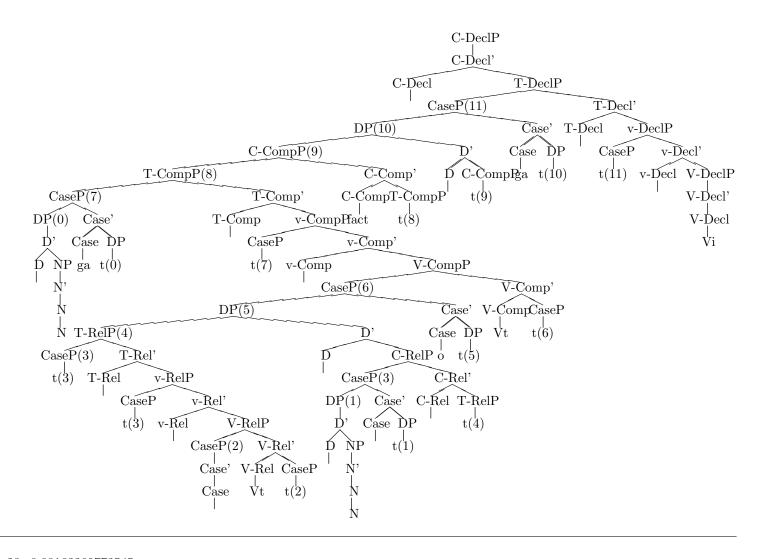


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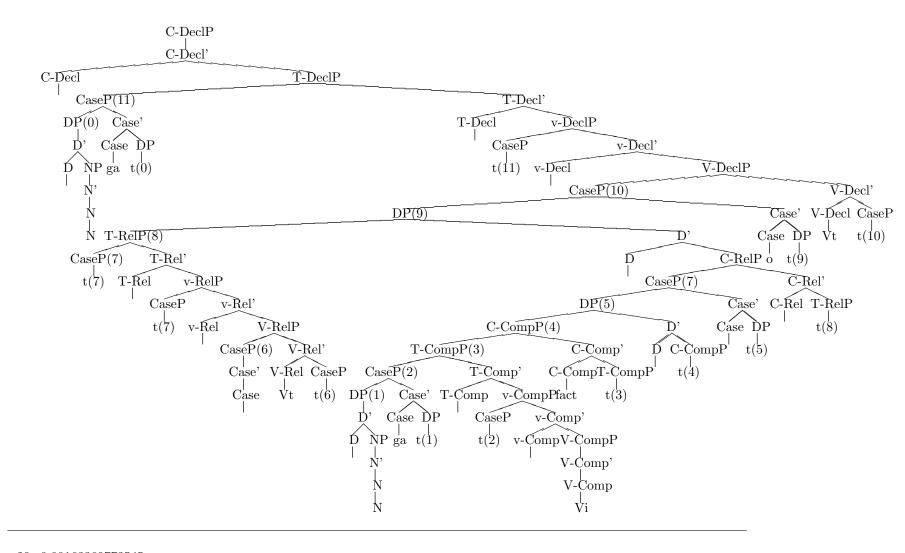


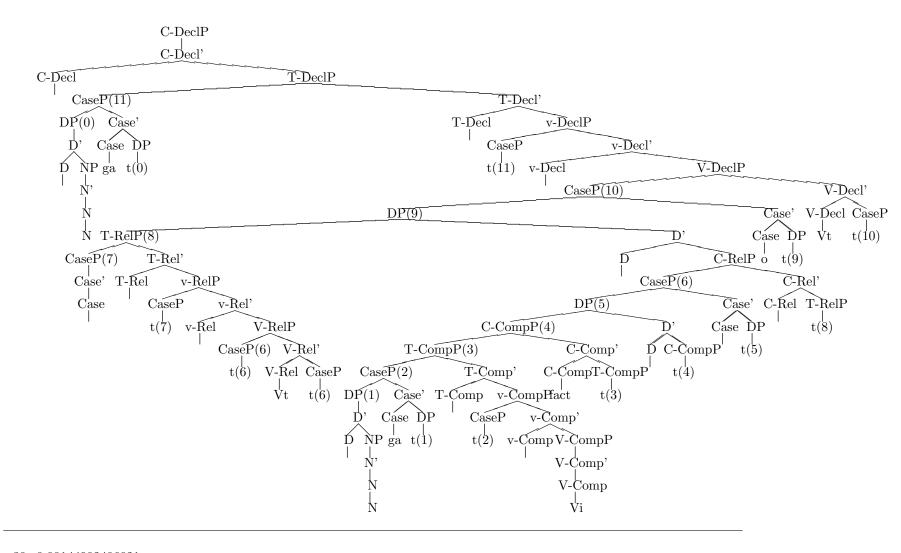


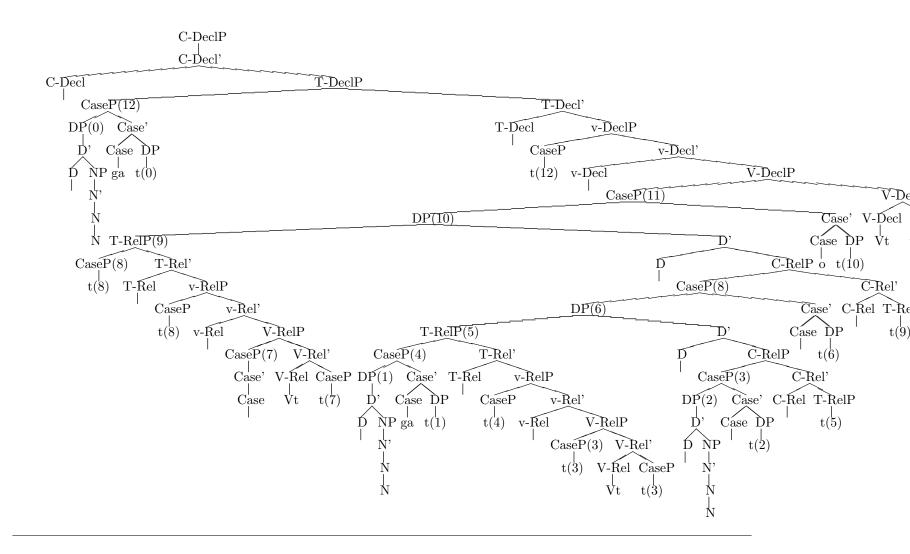
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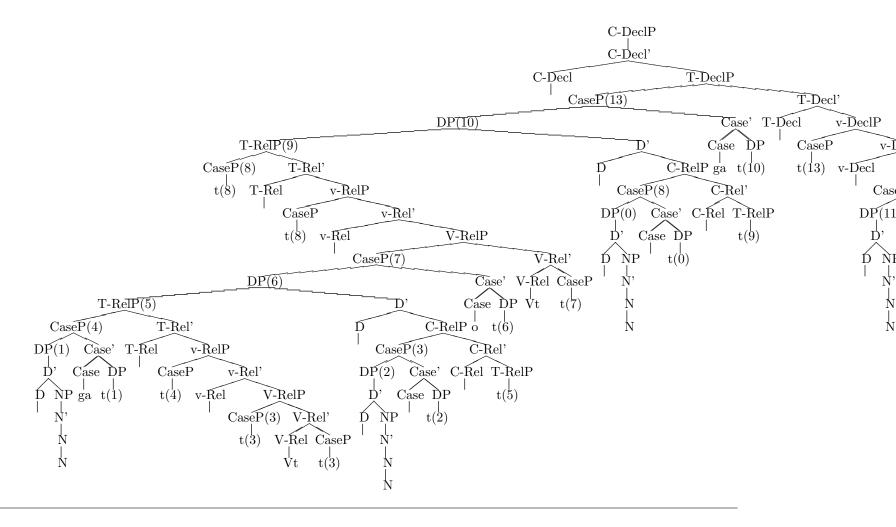
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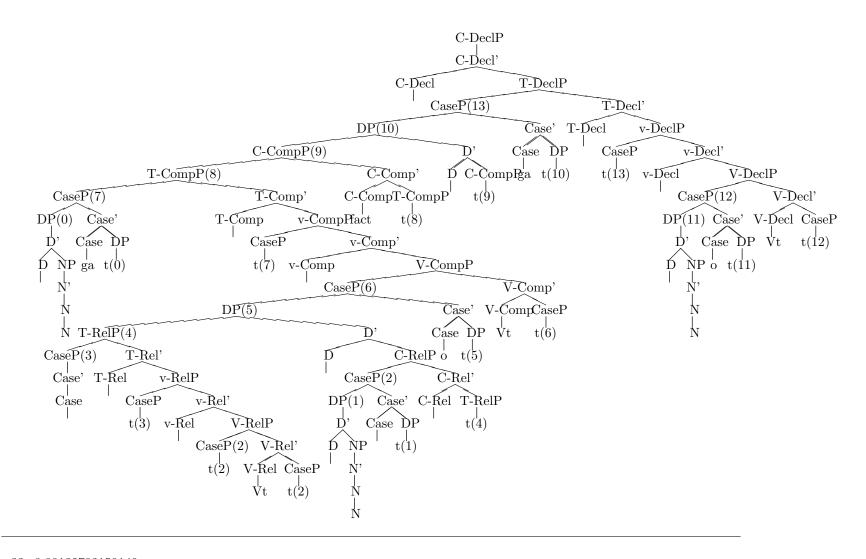


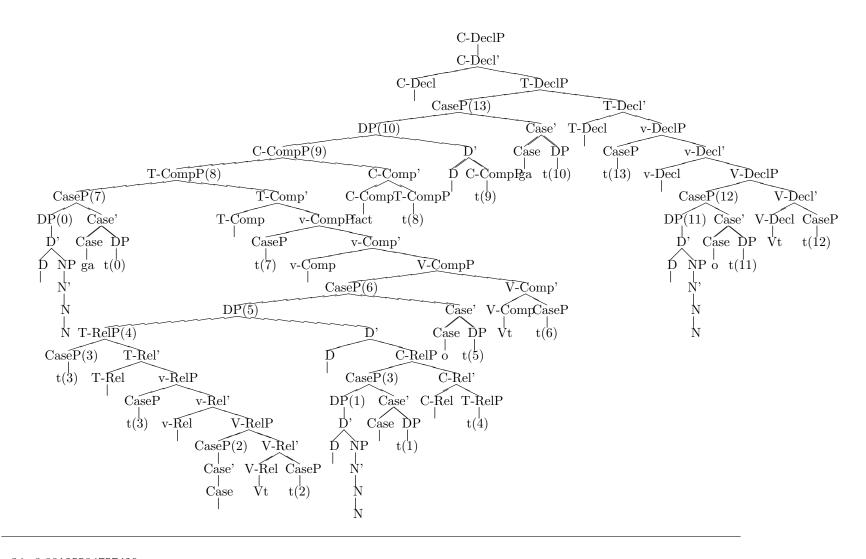


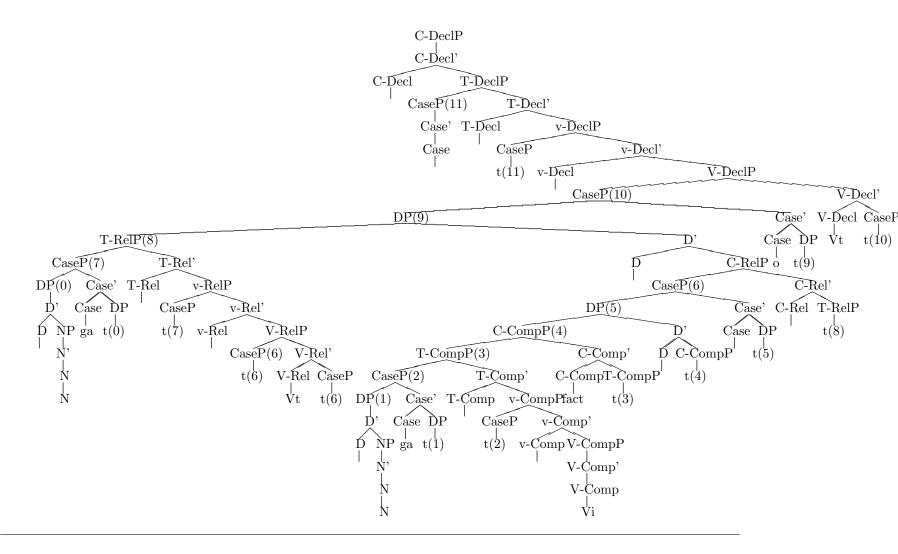
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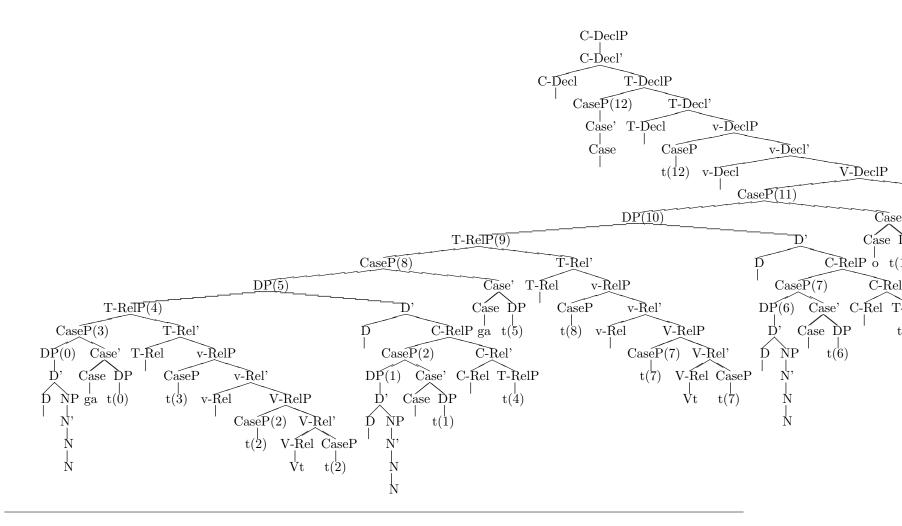


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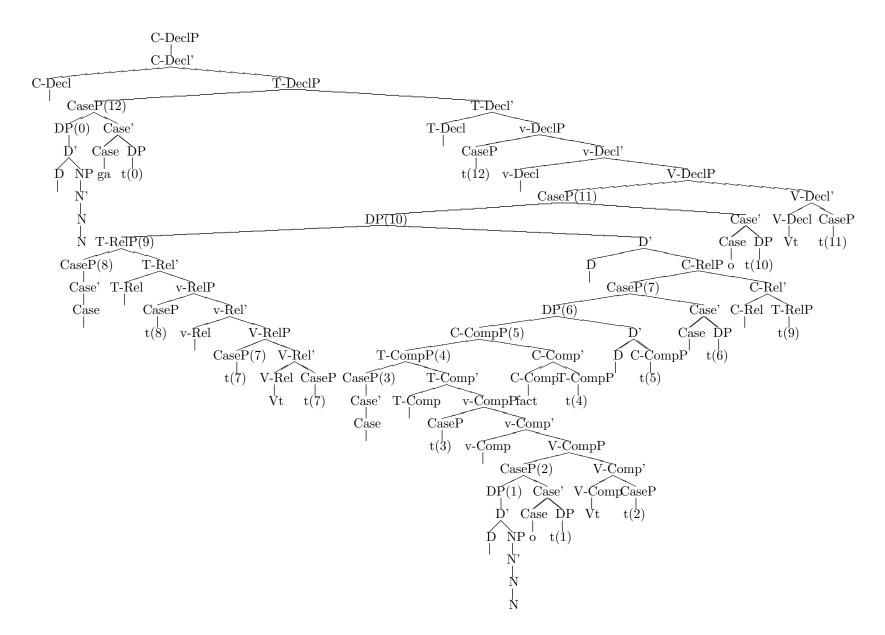




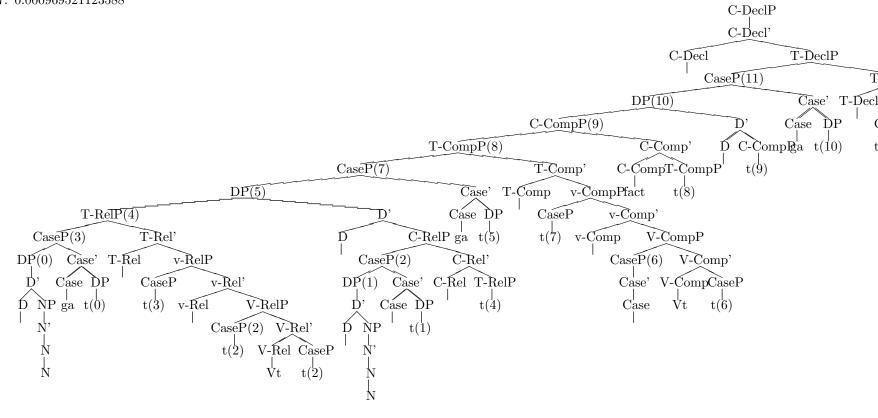


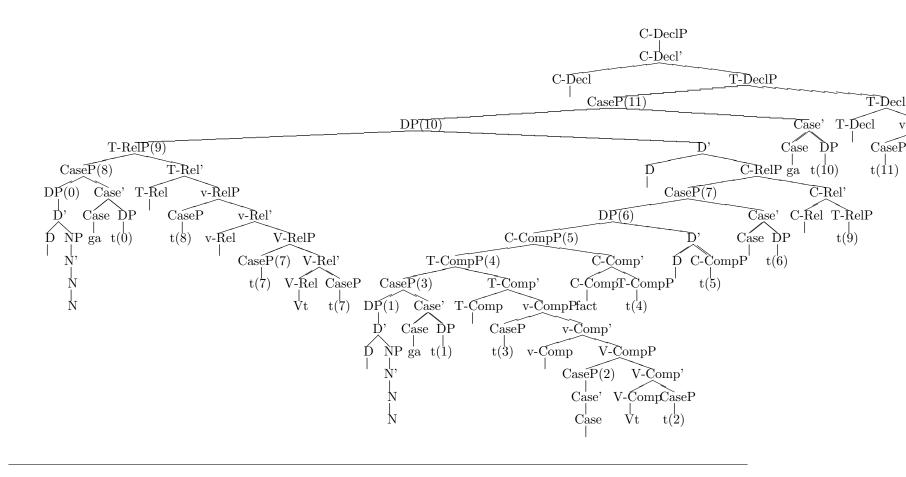


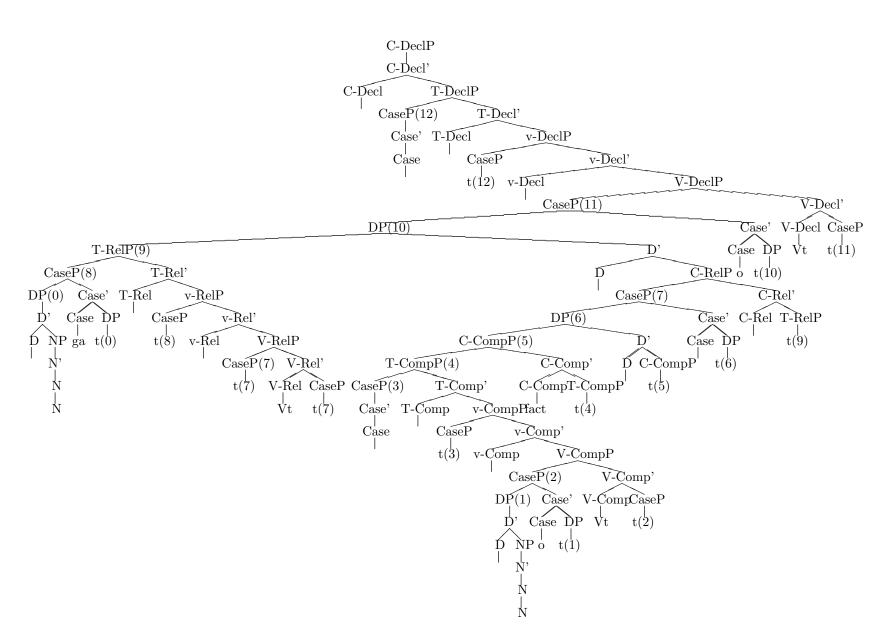
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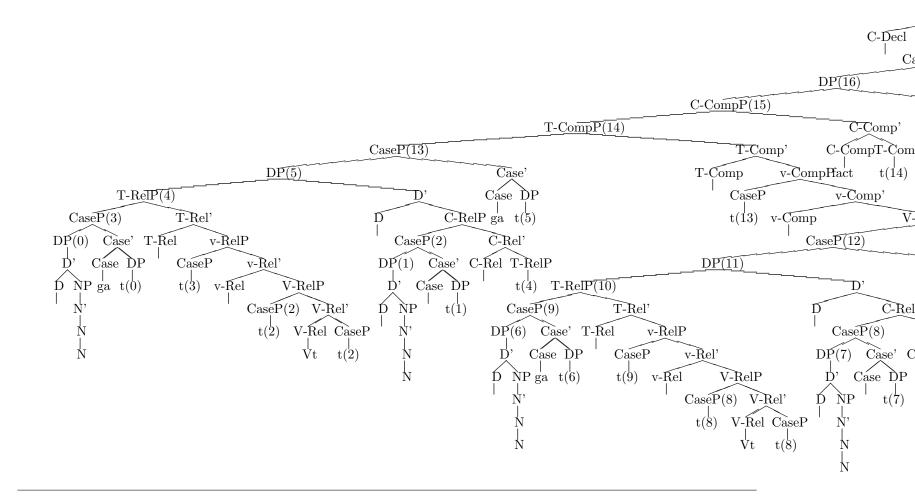


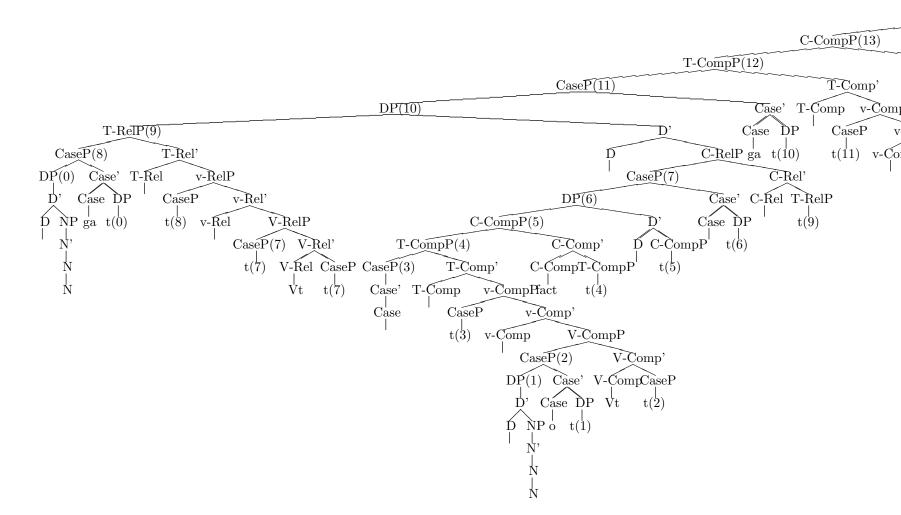
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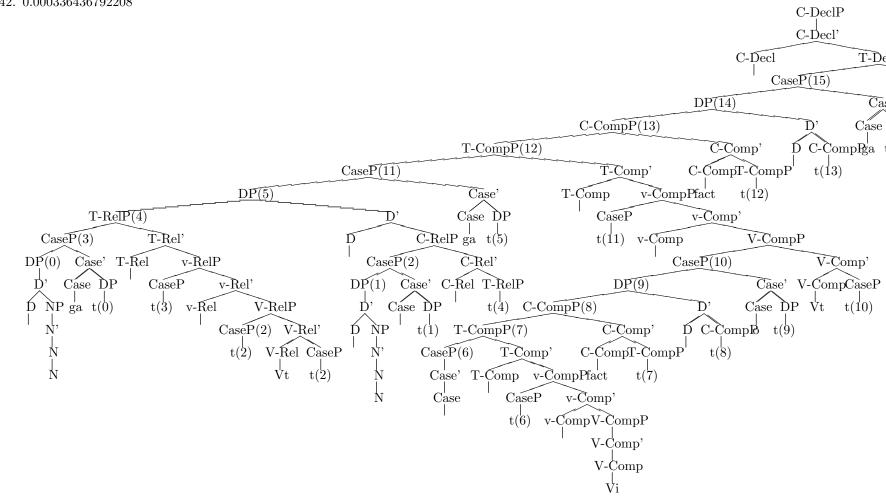


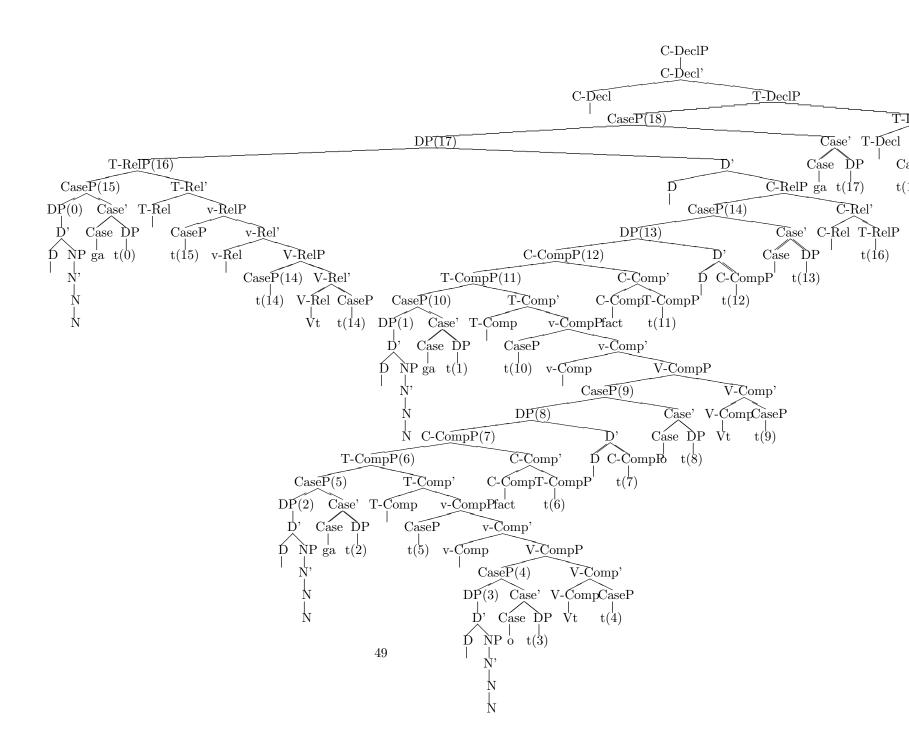


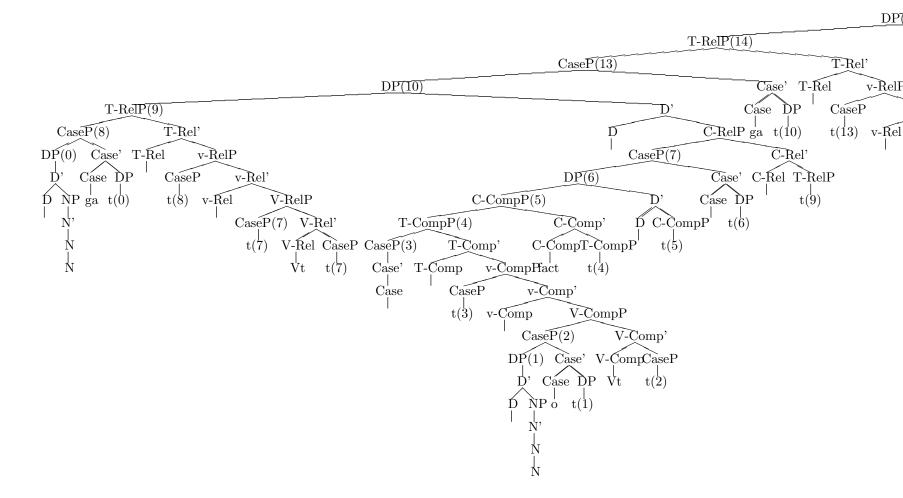


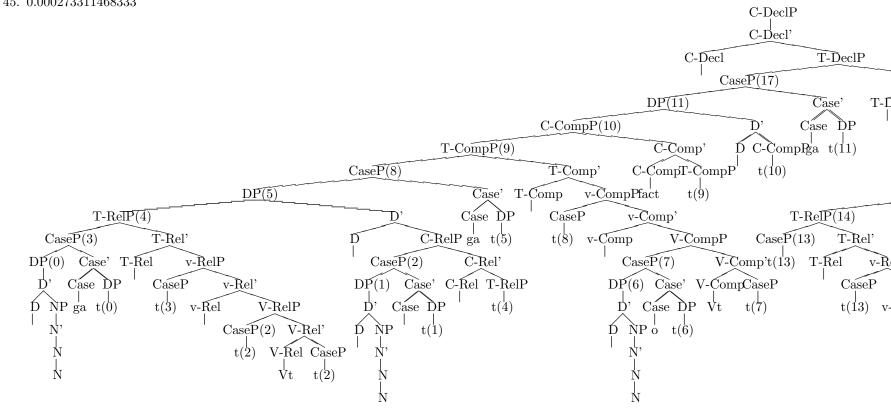


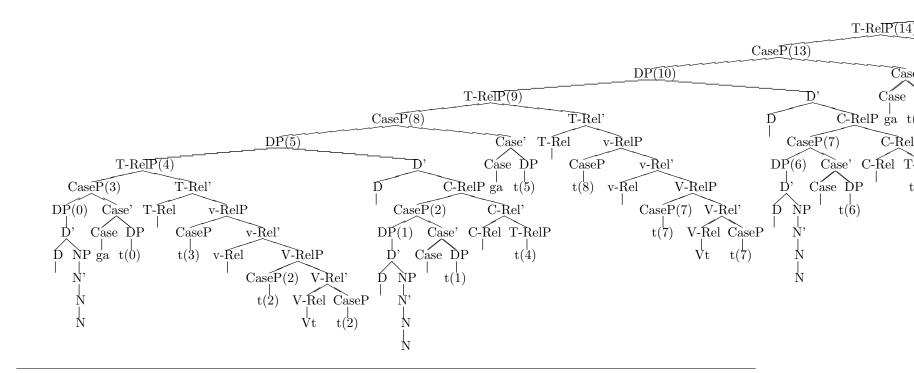




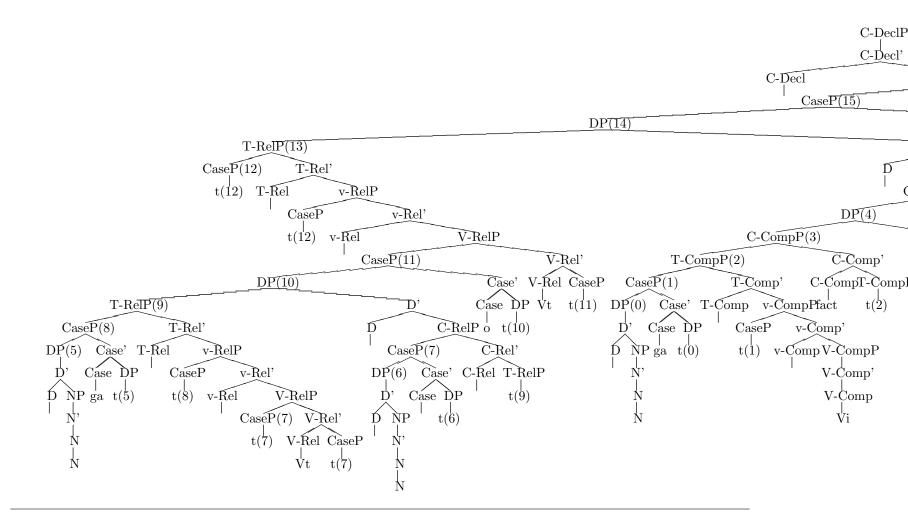




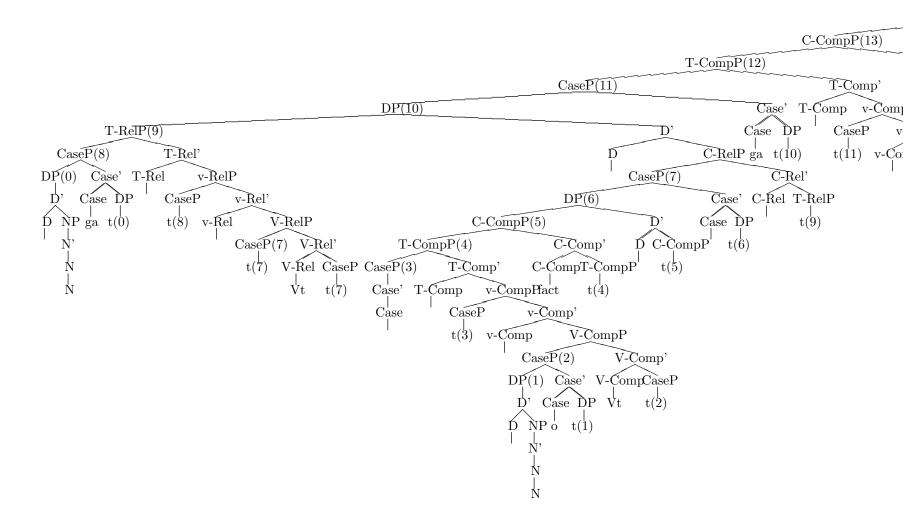


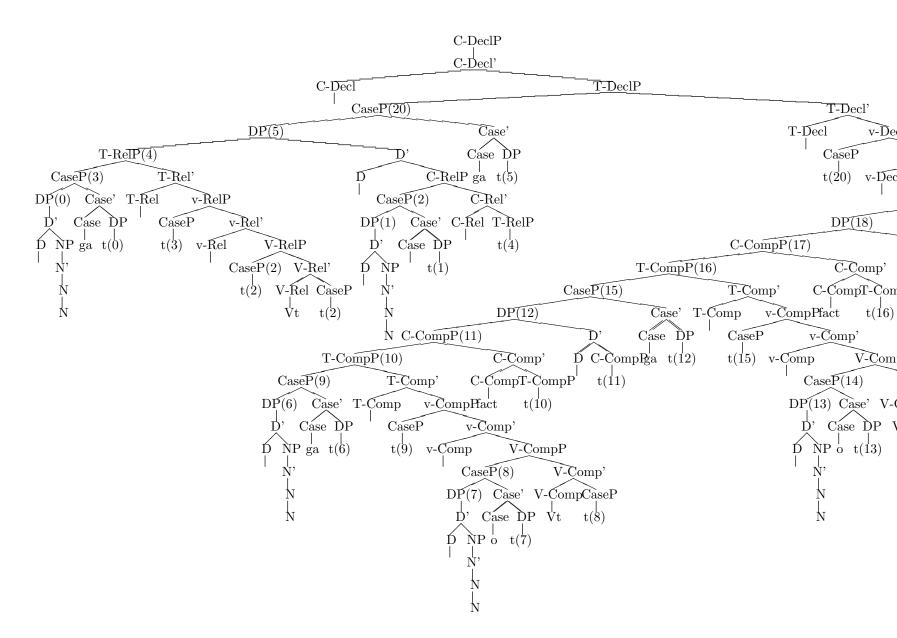


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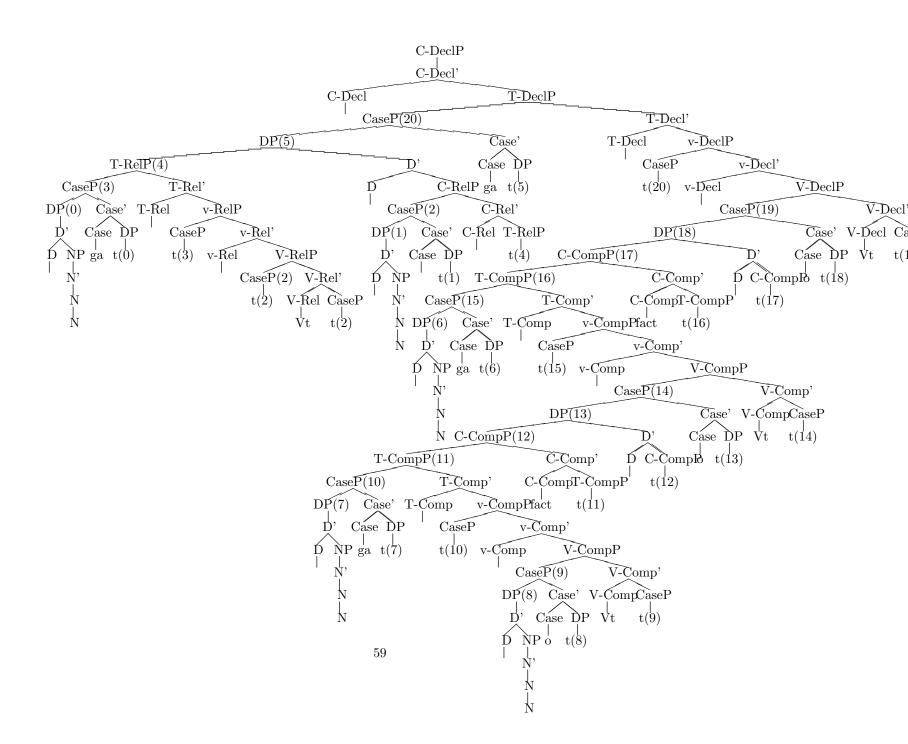


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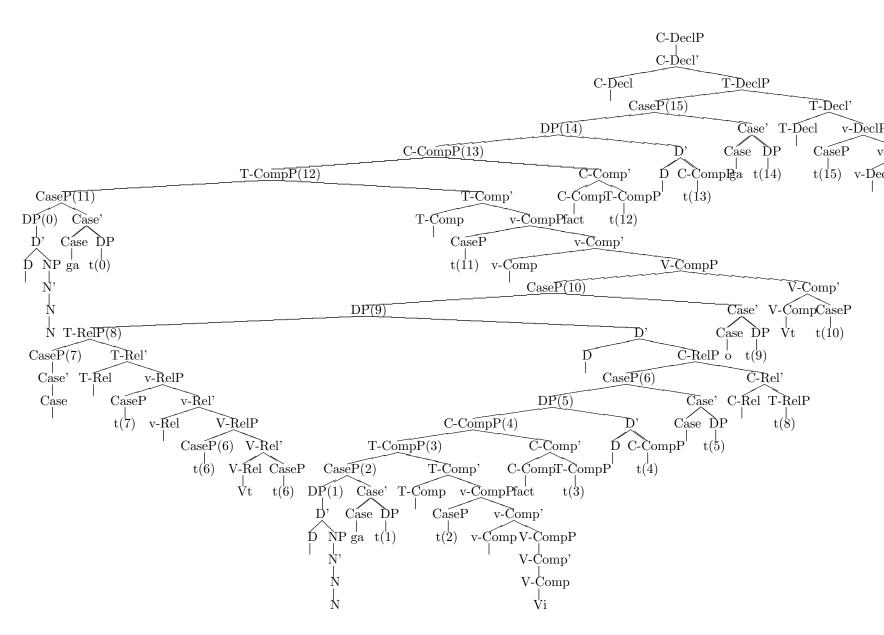




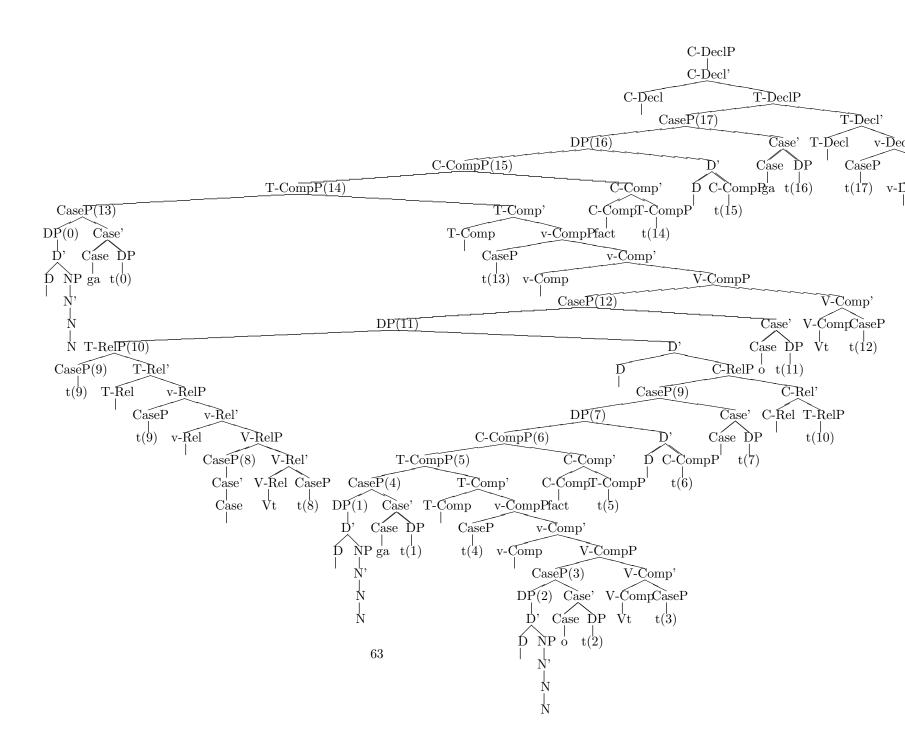
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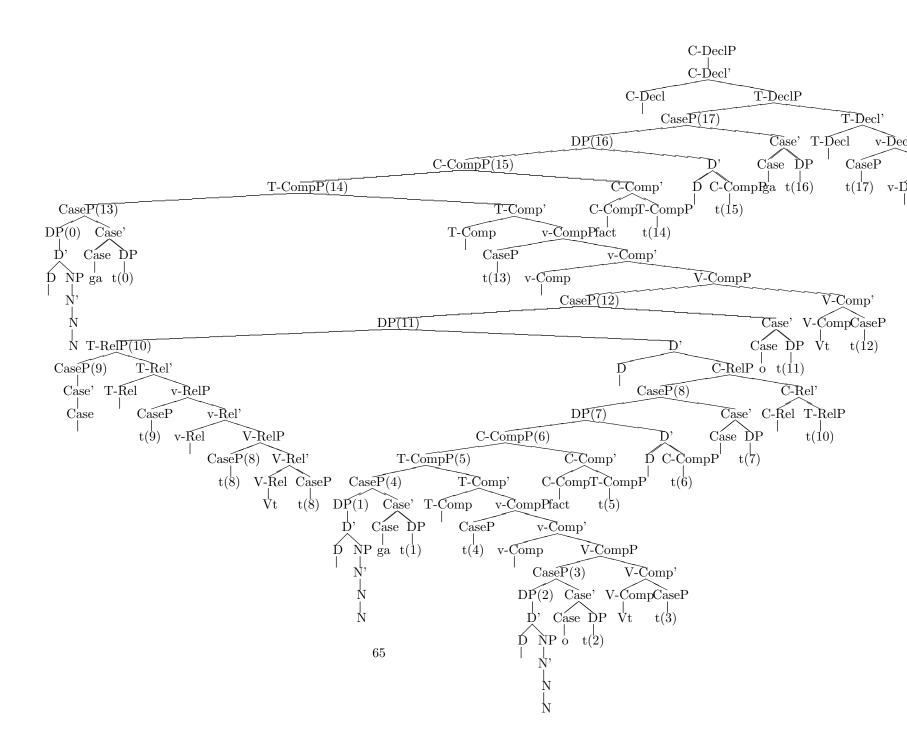


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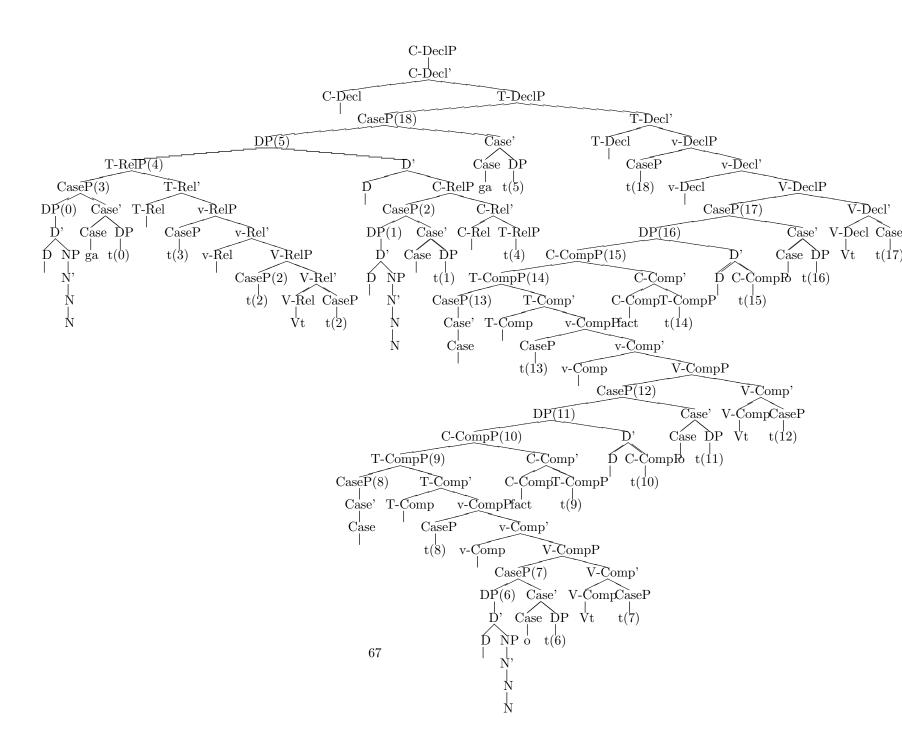


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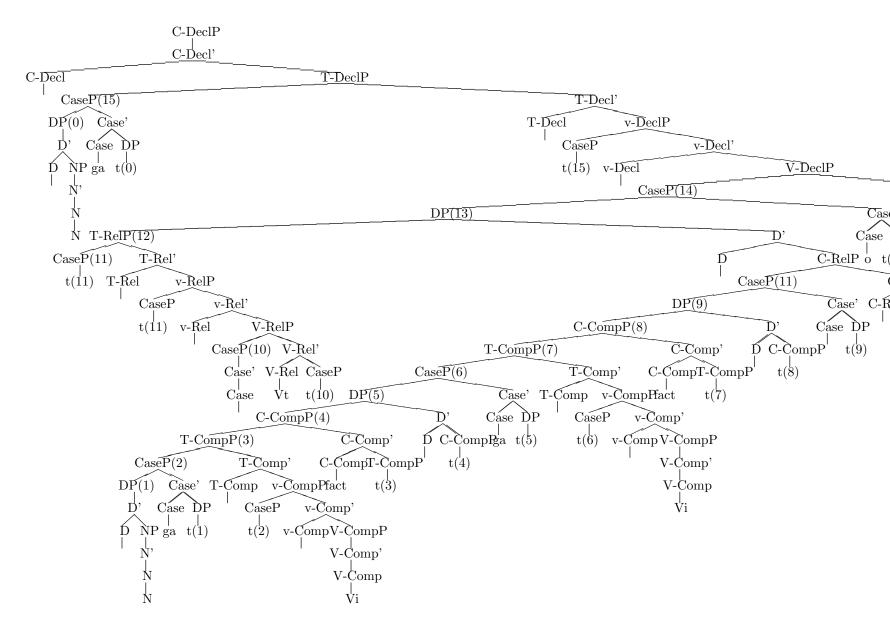




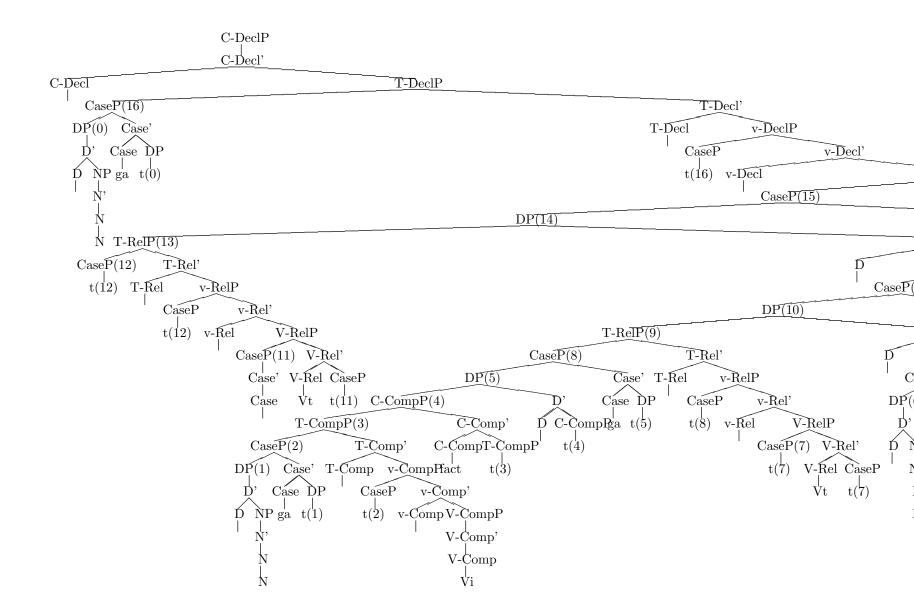
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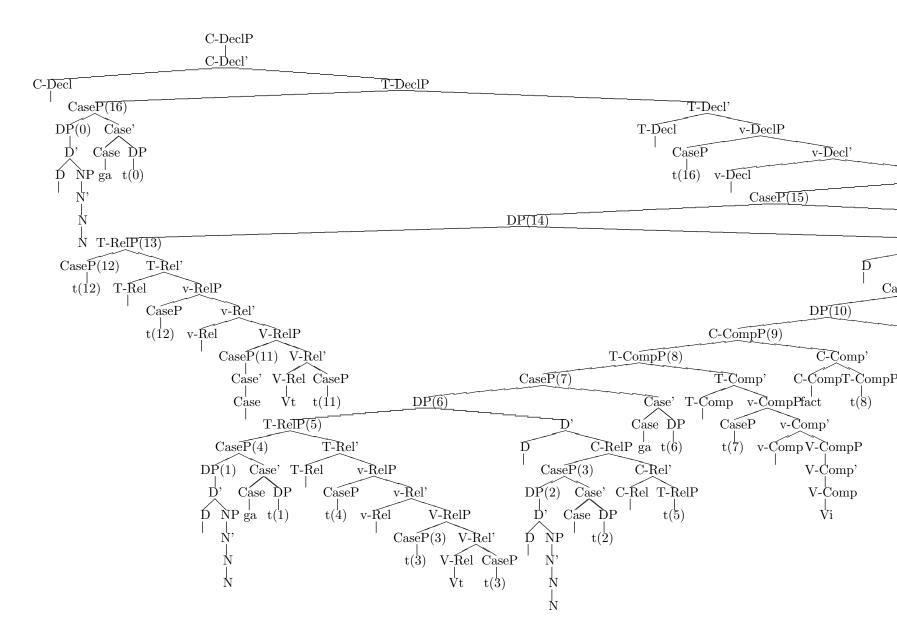
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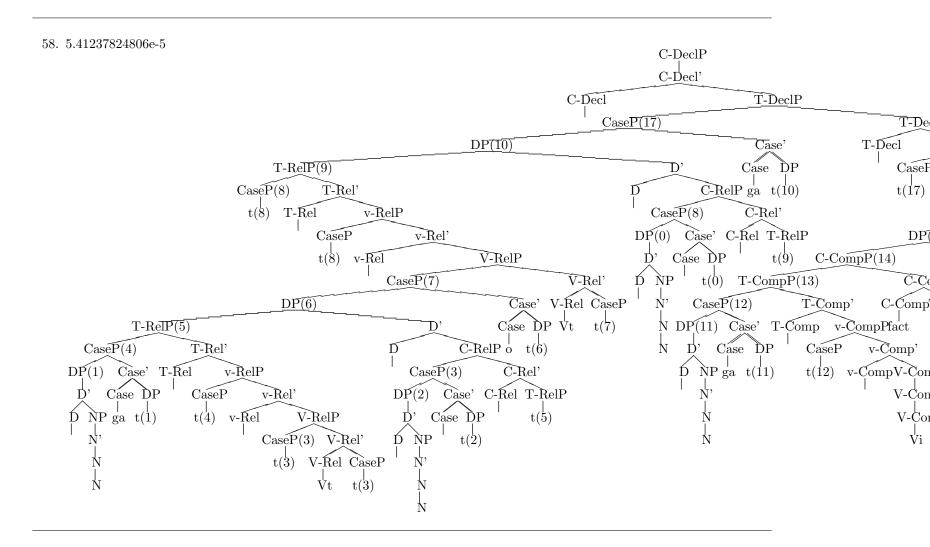


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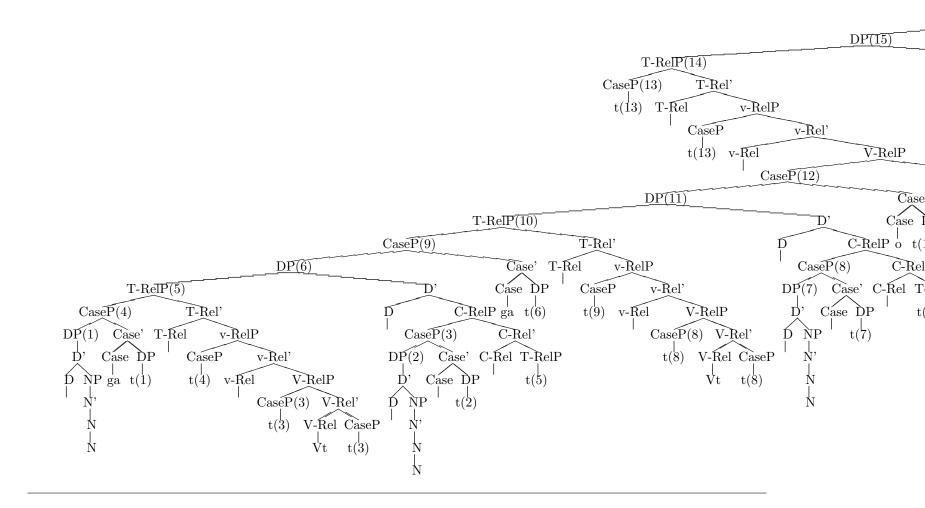


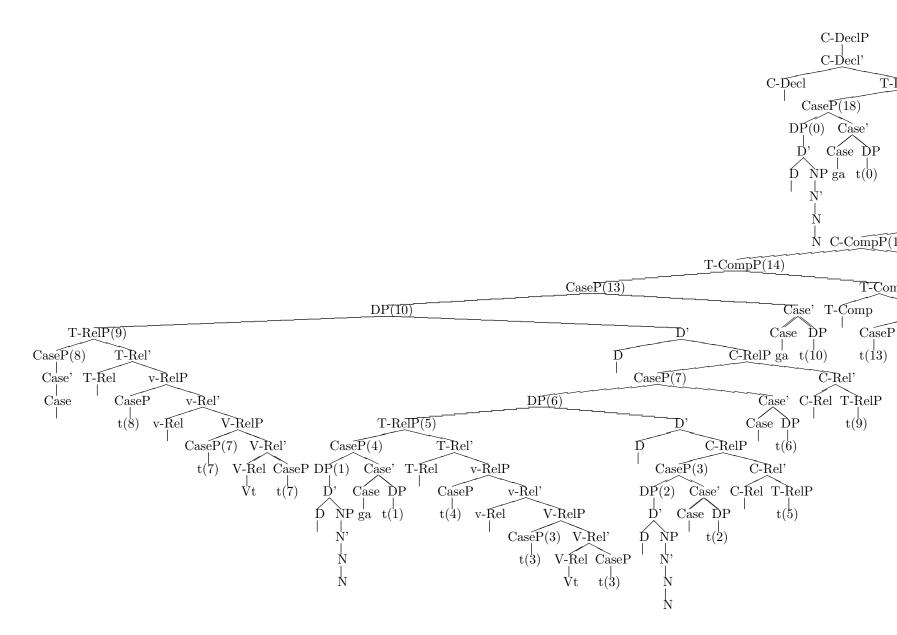
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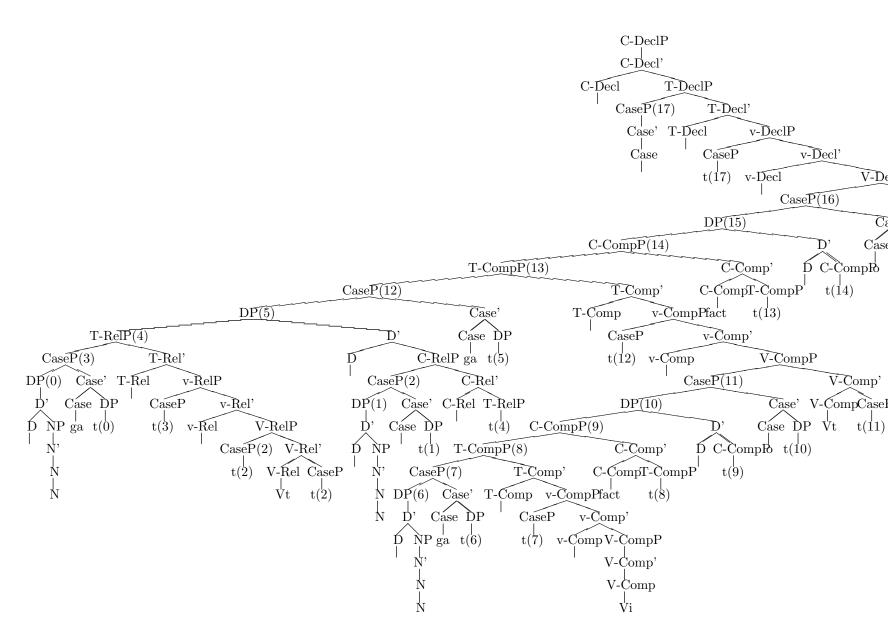


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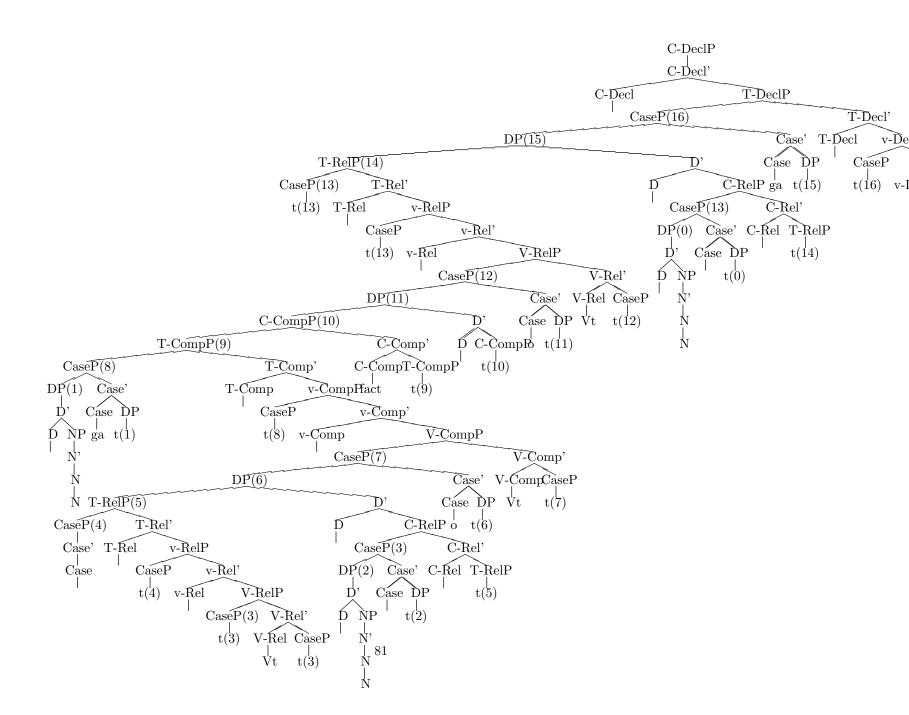




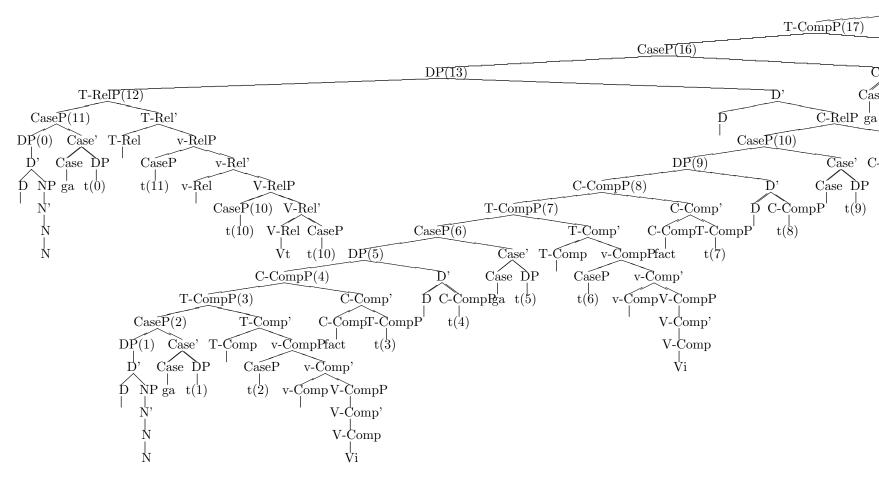
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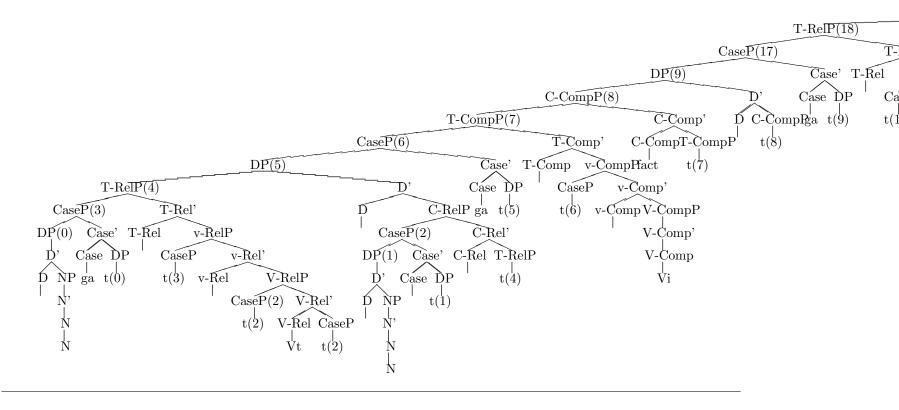
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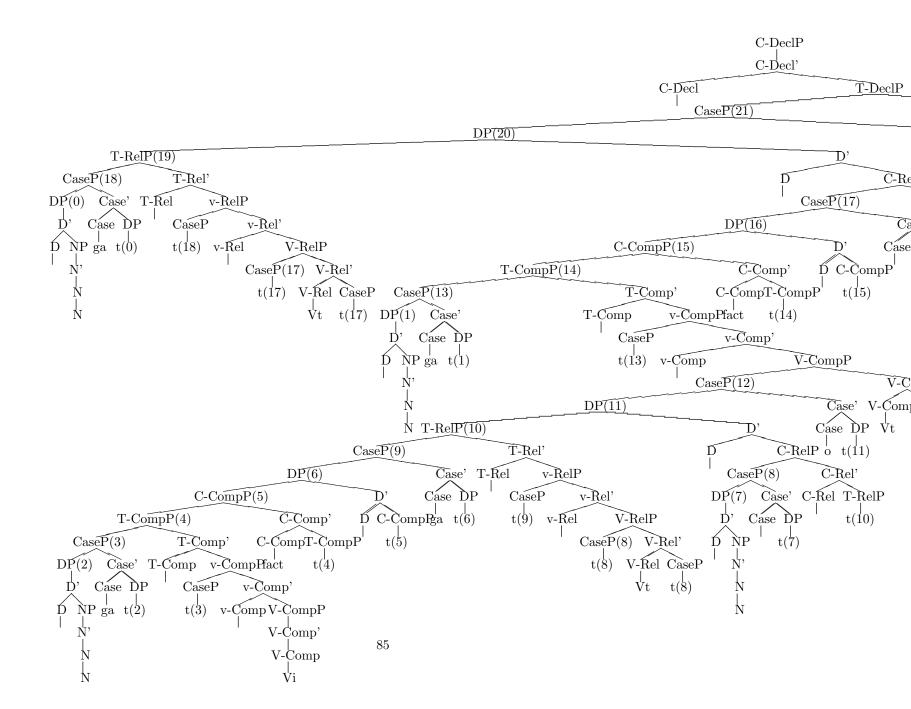
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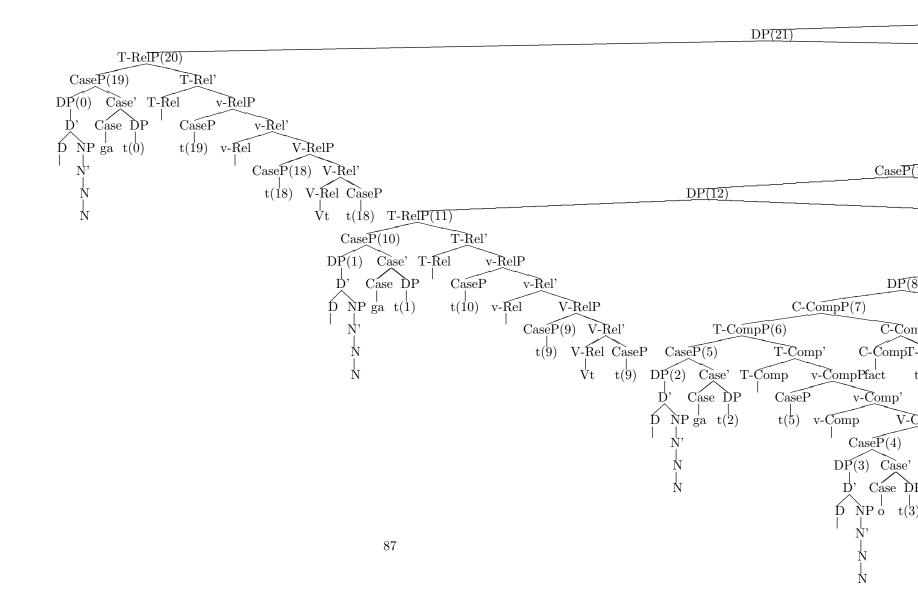
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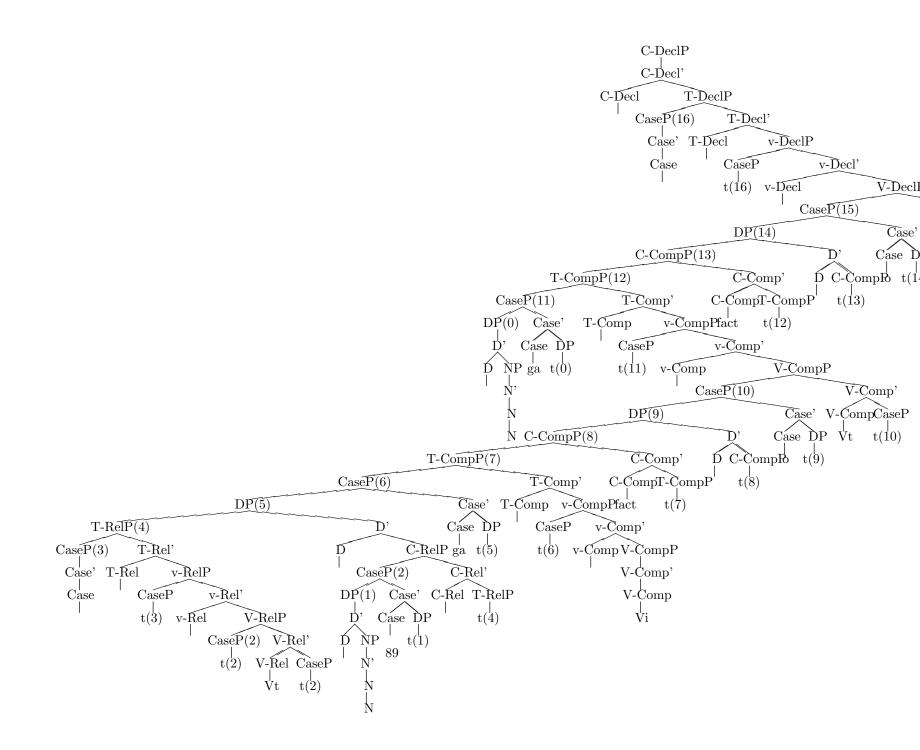
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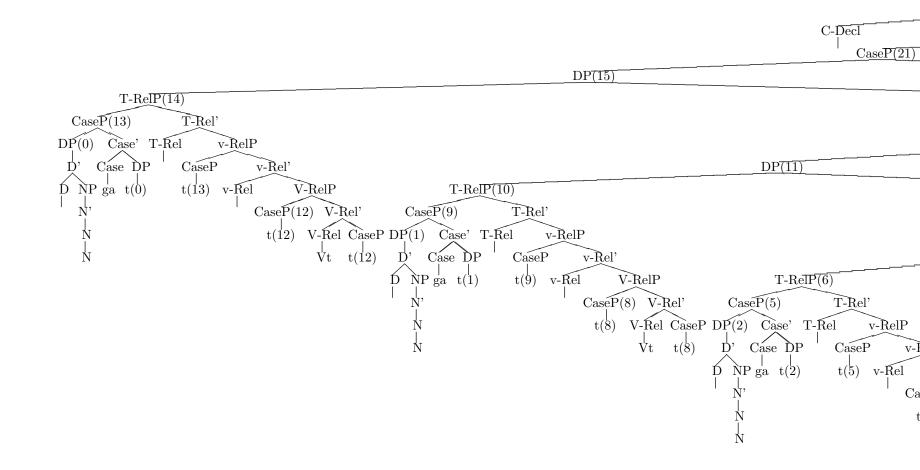
66. 1.21224836681e-5

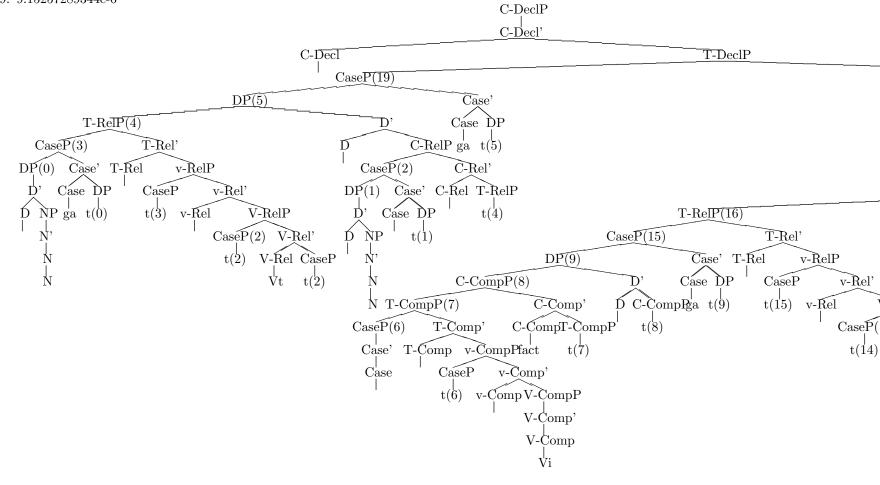


67. 1.19293748208e-5

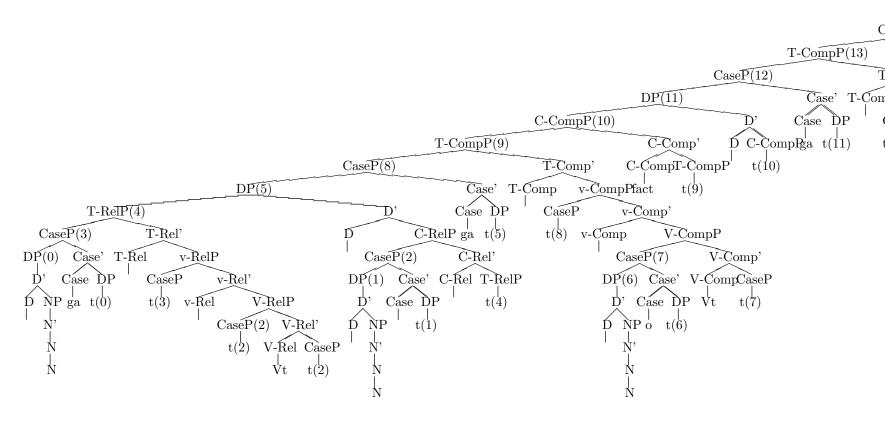


## 68. 9.920687175e-6

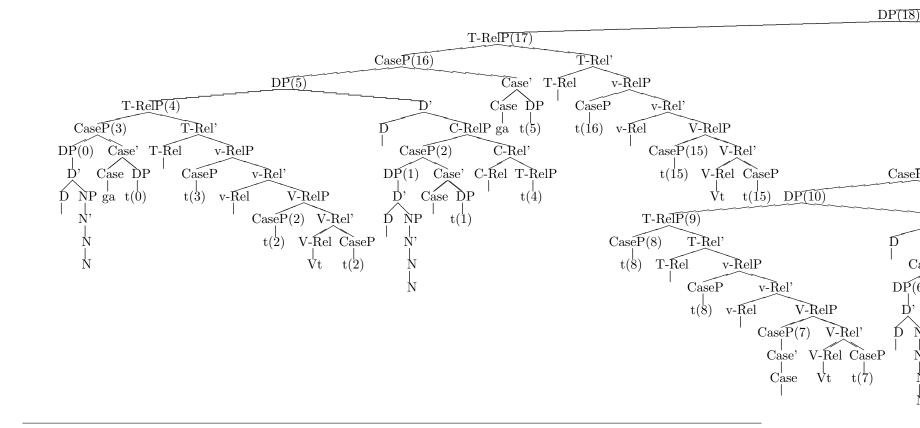




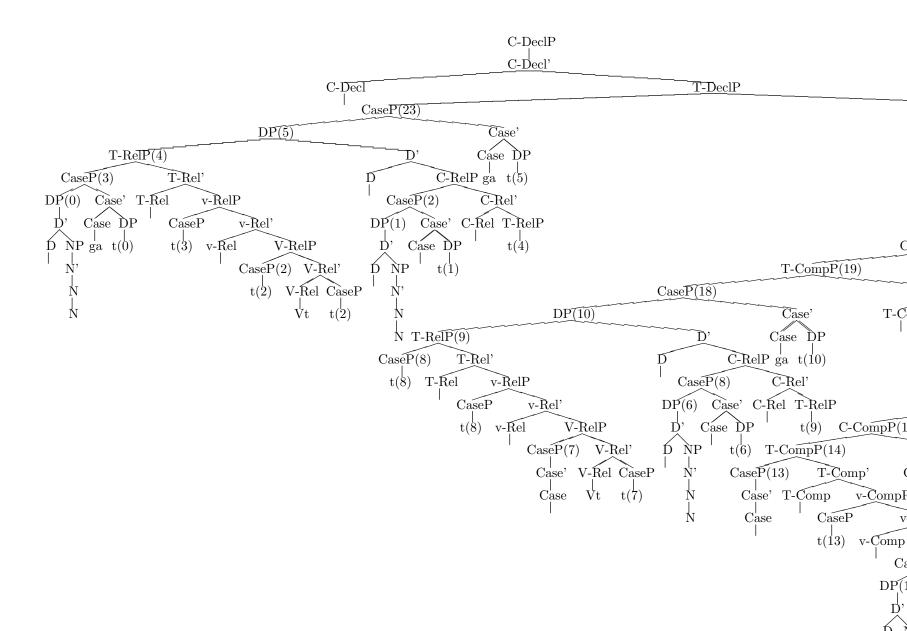
70. 4.8526240321e-6



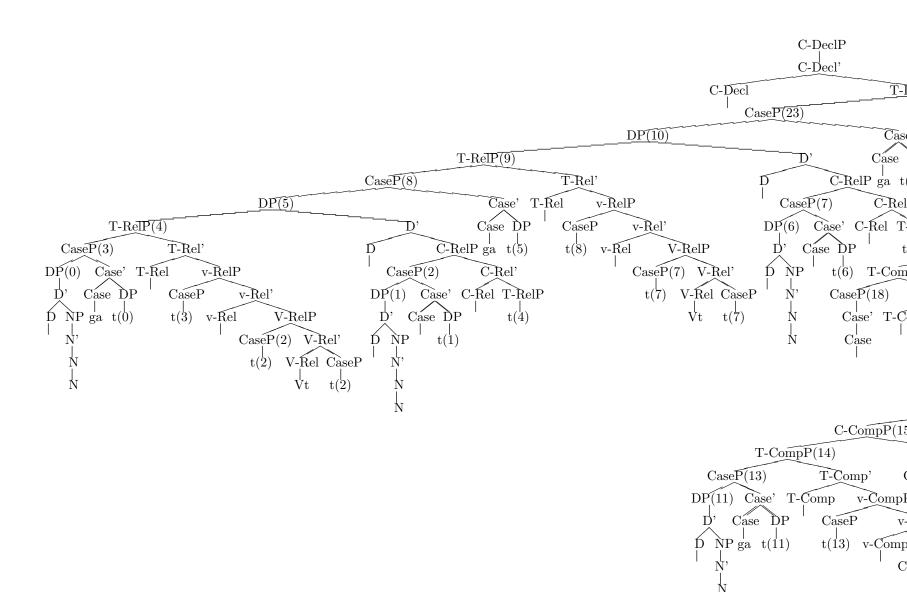
## 71. 4.65658543944e-6



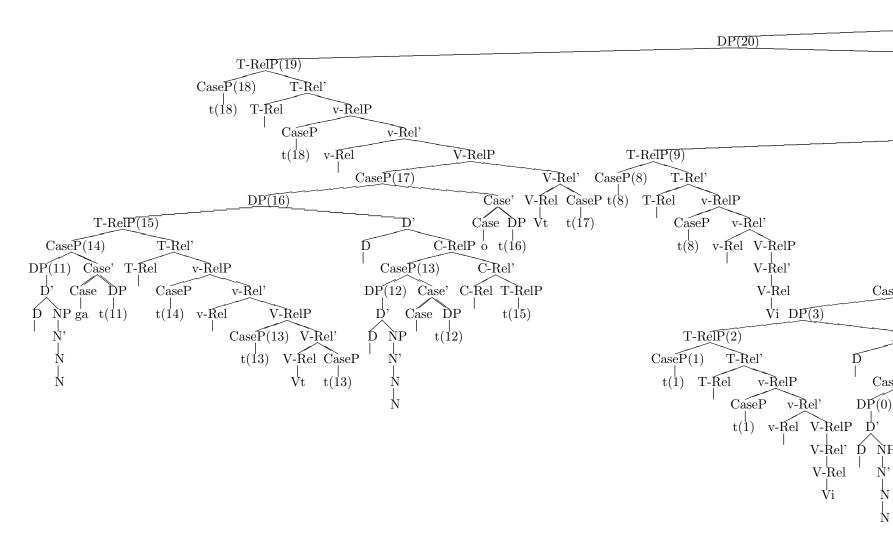
72. 1.0989334376e-6



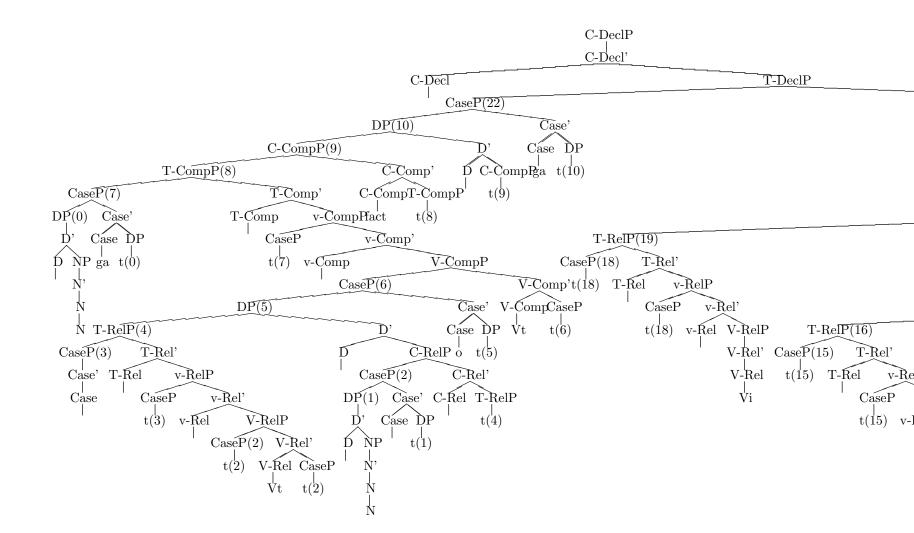
73. 3.1126526807e-7



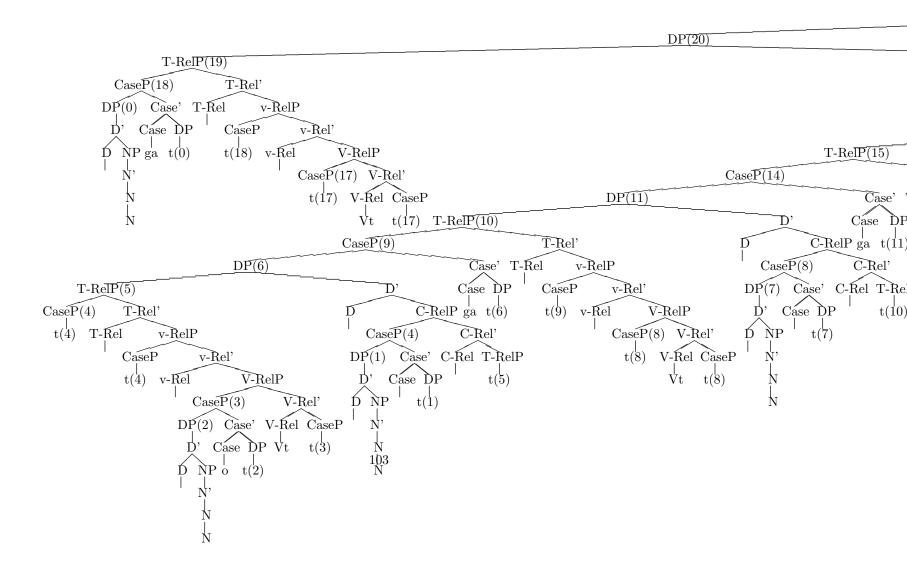
74. 2.23517933145e-7



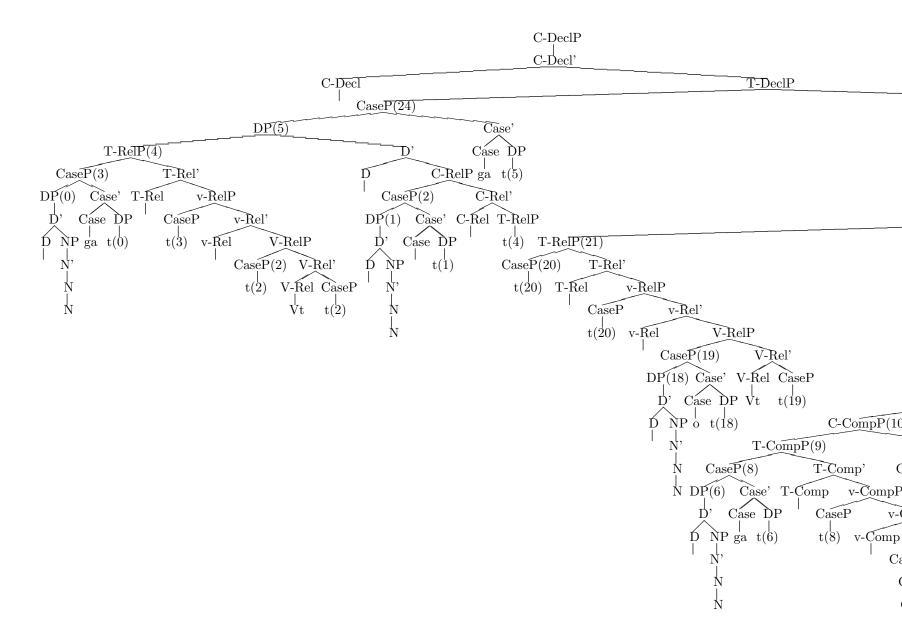
75. 1.68072438425e-7



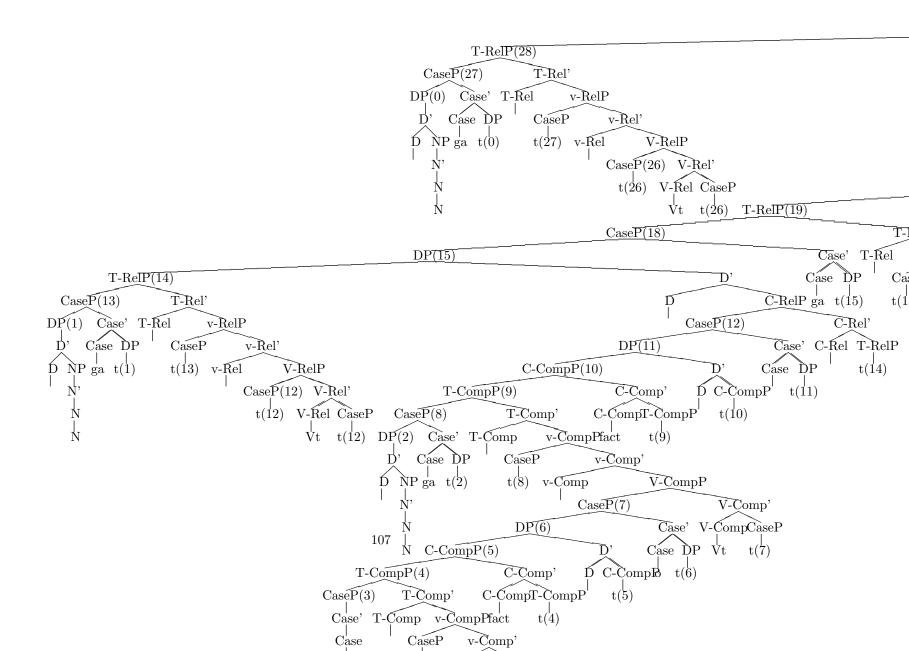
76. 1.54270898439e-7



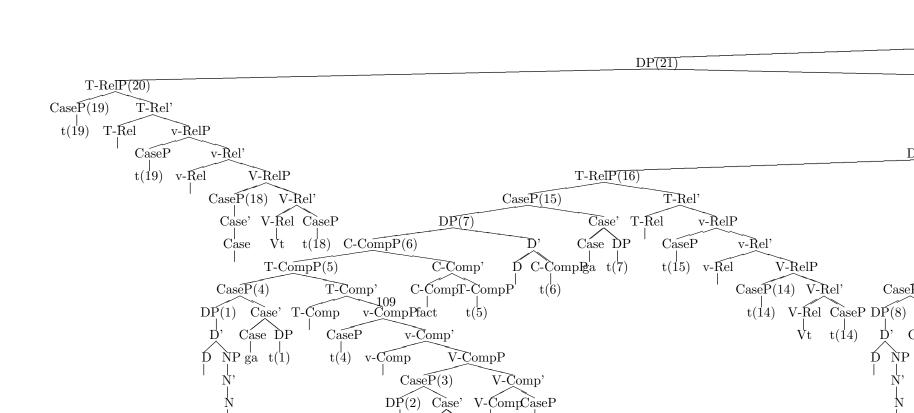
77. 1.1828719234e-7



78. 1.23586826098e-8



79. 1.35909824854e-9



80. 1.06369911874e-9

