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

- random seed: 232
- WMCFG grammar file used for sampling: koreanpromotion.N-nom-Vtn-N.global.chart
- md5sum for this grammar file: 5063653e46271d9ef010ac28f66bb526
- timestamp for generating this sample: 2012-07-29 23:02:49

# Surface strings

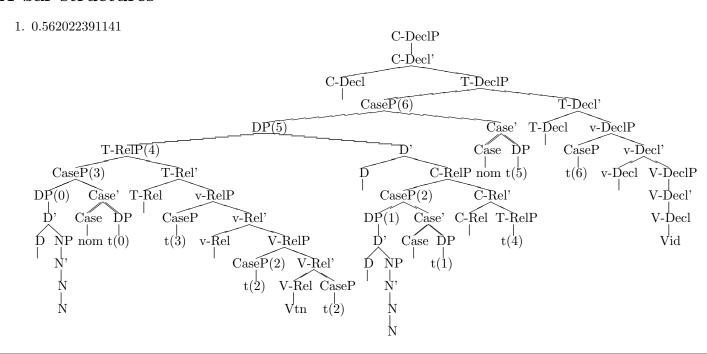
- 1. 0.562022391141 "N nom Vtn N nom Vid"
- 2. 0.0690035683393 "N nom Vtn N nom N acc Vtd"
- 3. 0.0192651968629 "N nom Vtn N acc Vtn fact nom Vid"
- 4. 0.0192651968629 "N nom Vtn N acc Vtn fact nom Vid"
- 5. 0.0169423906826 "N nom Vtn N acc Vtn N nom Vid"
- 6. 0.0169423906826 "N nom Vtn N acc Vtn N nom Vid"
- 7. 0.0153527173688 "N nom Vtn N nom Vin fact nom Vid"
- 8. 0.0153527173688 "N nom Vtn N nom Vin fact nom Vid"
- 9. 0.014881923049 "N nom Vtn N nom Vin N acc Vtd"
- 10. 0.0129913979908 "N nom Vtn N acc Vtd"
- 11. 0.0129913979908 "N nom Vtn N acc Vtd"
- 12. 0.0104740294411 "N nom Vtn N nom N acc Vtn fact nom Vid"
- 13. 0.0104740294411 "N nom Vtn N nom N acc Vtn fact nom Vid"
- 14. 0.00390018201718 "N nom Vtn N nom Vtn N nom Vid"
- 15. 0.00390018201718 "N nom Vtn N nom Vtn N nom Vid"

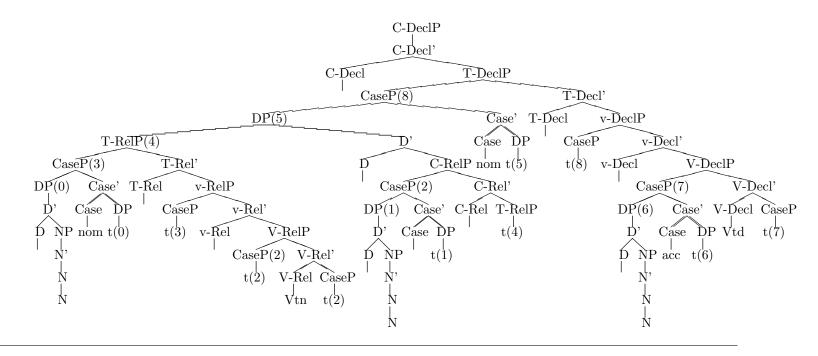
- 16. 0.00365394660703 "N nom Vtn N acc Vtn Vin N nom Vid"
- 17. 0.00346707189337 "N nom Vtn N nom Vin fact acc Vtd"
- 18. 0.00320956783784 "N nom Vtn N nom Vin Vin N acc Vtd"
- 19. 0.00236532805321 "N nom Vtn N acc Vtn fact nom N acc Vtd"
- 20. 0.00229408405277 "N nom Vtn N acc Vtd"
- 21. 0.00225892231238 "N nom Vtn N nom Vin N acc Vtn fact nom Vid"
- 22. 0.00208014027862 "N nom Vtn N acc Vtn N nom N acc Vtd"
- 23. 0.00208014027862 "N nom Vtn N nom N acc Vtn N acc Vtd"
- 24. 0.00197196012194 "N nom Vt<br/>n N acc Vtn fact nom Vid"
- 25. 0.00197196012194 "N nom Vtn N acc Vtn fact nom Vid"
- 26. 0.000747739549771 "N nom Vtn N nom Vin Vin fact acc Vtd"
- 27. 0.000660379045422 "N nom Vtn N acc Vtn fact acc Vtn fact nom Vid"
- 28. 0.000580757096113 "N nom Vtn N acc Vtn N acc Vtn fact nom Vid"
- 29. 0.000510735170997 "N nom Vtn N acc Vtn N acc Vtn N nom Vid"
- 30. 0.000510127677755 "N nom Vtn N nom Vin N acc Vtn fact acc Vtd"
- 31. 0.000450813886848 "N nom Vtn N nom Vtn fact nom Vid"
- 32. 0.000448621546722 "N nom Vtn N acc Vtn N nom Vin N acc Vtd"
- 33. 0.000448621546722 "N nom Vtn N acc Vtn Vin N nom N acc Vtd"
- 34. 0.000448621546722 "N nom Vtn N acc Vtn Vin N nom N acc Vtd"
- 35. 0.000448621546722 "N nom Vtn N acc Vtn N nom Vin N acc Vtd"
- 36. 0.000391630909628 "N nom Vtn N acc Vtn N acc Vtd"
- 37. 0.000286118162293 "N nom Vtn N nom N acc Vtn fact nom Vin fact nom Vid"

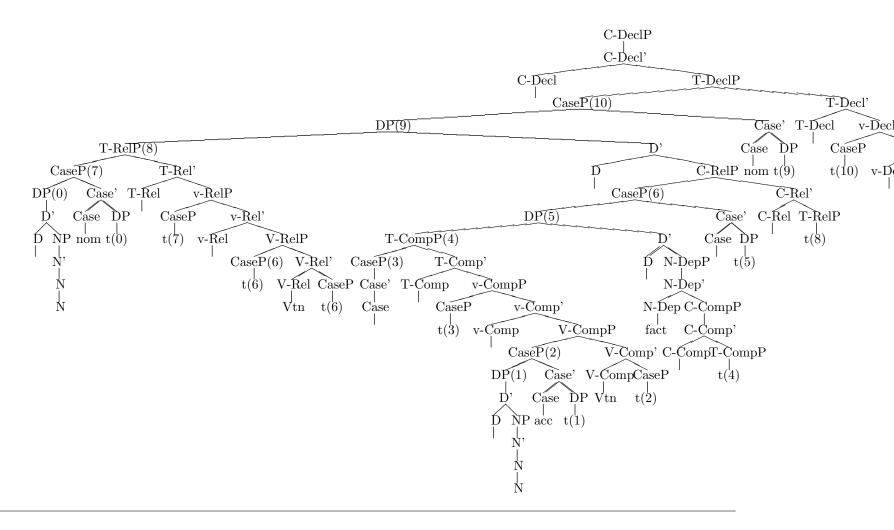
- 38. 0.00024211185743 "N nom Vtn N nom N acc Vtn fact acc Vtd"
- 39. 0.000195197370179 "N nom Vtn N nom N nom N acc Vtn fact acc Vtn fact nom Vid"
- 40. 0.000117572553176 "N nom Vtn N acc Vtn N nom Vtn N nom Vid"
- 41. 7.13037640526e-5 "N nom Vtn N acc Vtn N acc Vtn fact nom N acc Vtd"
- 42. 6.80961202637e-5 "N nom Vtn N acc Vtn Vin N nom N acc Vtn fact nom Vid"
- 43. 6.80961202637e-5 "N nom Vtn N nom N acc Vtn fact acc Vtn Vin N nom Vid"
- 44. 6.75955274269e-5 "N nom Vtn N acc Vtn fact acc Vtn fact nom Vid"
- 45. 6.46134631961e-5 "N nom Vtn N nom Vin fact nom N acc Vtn fact acc Vtd"
- 46. 4.22633266038e-5 "N nom Vtn N nom Vtn Vin Vin fact nom Vid"
- 47. 3.51288035425e-5 "N nom Vtn N nom Vin fact nom N nom N acc Vtn fact acc Vtd"
- 48. 2.88331580979e-5 "N nom Vtn N nom Vtn Vin N acc Vtn fact nom Vid"
- 49. 2.88331580979e-5 "N nom Vtn N nom Vtn Vin N acc Vtn fact nom Vid"
- 50. 2.22729538207e-5 "N nom Vtn N nom Vin N nom Vtn Vin N acc Vtd"
- 51. 1.80395176427e-5 "N nom Vtn N nom Vin fact acc Vtn fact acc Vtn fact nom Vid"
- 52. 1.58644916948e-5 "N nom Vtn N acc Vtn Vin fact nom N acc Vtn fact nom Vid"
- 53. 1.39517087828e-5 "N nom Vtn N acc Vtn N acc Vtn N nom Vin fact nom Vid"
- 54. 9.07922903748e-6 "N nom Vtn N nom N nom Vin Vin N acc Vtn fact acc Vtn fact nom Vid"
- 55. 8.36065495312e-6 "N nom Vtn N nom N acc Vtn N acc Vtn fact nom Vin N acc Vtd"
- 56. 2.428726291e-6 "N nom Vtn N nom Vin Vin Vin N acc Vtn fact acc Vtd"
- 57. 2.33422223591e-6 "N nom Vtn N acc Vtn N nom Vin N acc Vtn fact acc Vtn fact nom Vid"
- 58. 1.94779879607e-6 "N nom Vtn N acc Vtn N nom Vin fact acc Vtn fact nom N acc Vtd"
- 59. 1.05897189011e-6 "N nom Vtn N nom N acc Vtn fact acc Vtn N nom Vin fact nom N acc Vtd"

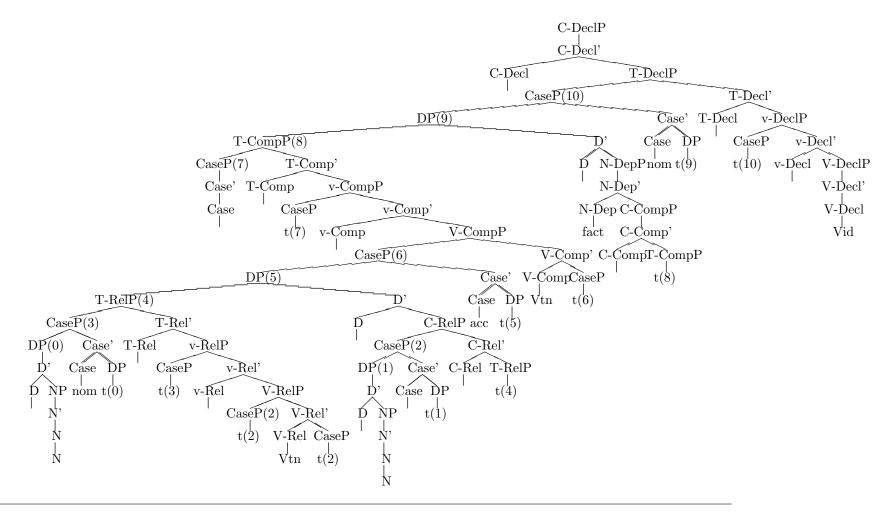
- 60. 4.35155978439e-7 "N nom Vtn N acc Vtn N nom Vtn N acc Vtn N nom N acc Vtd"
- 61. 4.20079605964e-7 "N nom Vtn N nom Vin fact acc Vtn N acc Vtn fact nom Vin N acc Vtd"
- 62. 5.98546310272e-8 "N nom Vtn N acc Vtn N nom N acc Vtn fact nom Vtn N nom Vin fact nom Vid"
- 63. 5.25753436903e-8 "N nom Vtn N nom Vtn N nom Vtn N acc Vtn fact nom Vin fact acc Vtd"
- 64. 2.91000283225e-8 "N nom Vtn N nom Vtn N nom Vtn Vin Vin N acc Vtd"
- 65. 1.61984499766e-8 "N nom Vtn N nom N acc Vtn fact acc Vtn N nom Vtn Vin N acc Vtn fact nom Vid"
- 66. 1.48551701733e-8 "N nom Vtn N nom Vin fact nom N acc Vtn fact acc Vtn Vin fact acc Vtn fact nom Vid"
- 67. 3.85654063166e-9 "N nom Vtn N acc Vtn Vin fact acc Vtn N acc Vtn Vin N acc Vtd"
- 68. 1.33390889774e-11 "N nom Vtn N acc Vtn N nom Vin N acc Vtn fact acc Vtn N nom Vtn N nom Vin fact acc Vtn fact nom Vid"
- 69. 2.56034534482e-14 "N nom Vtn N acc Vtn Vin Vin Vin N nom N acc Vtn fact nom N nom N nom Vtn N acc Vtn fact nom N nom Vin fact acc Vtn fact acc Vtd"

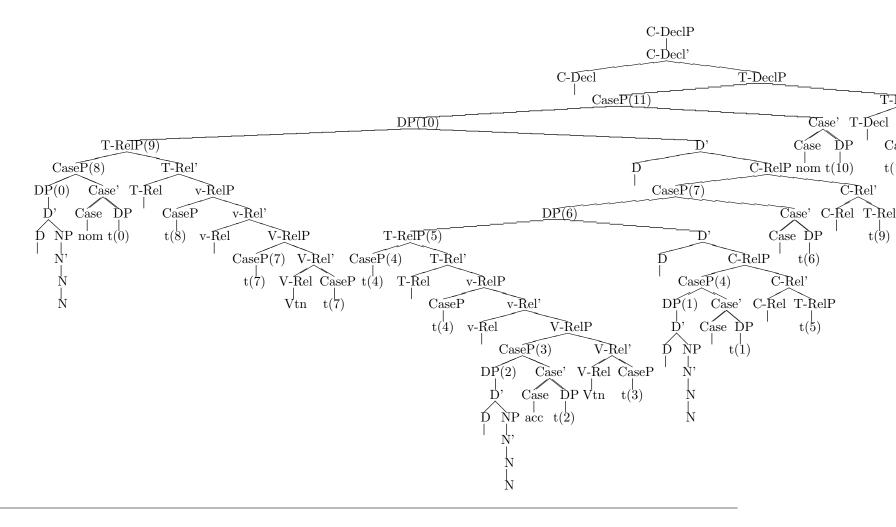
## X-bar structures

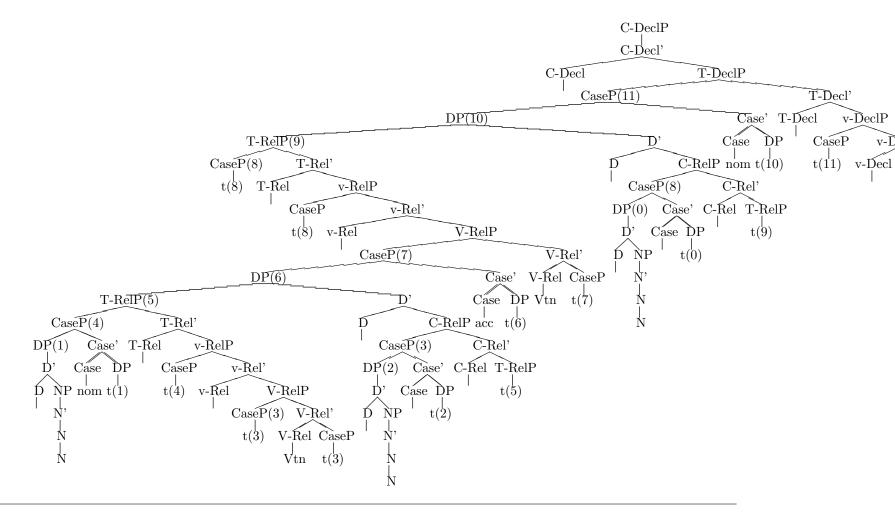


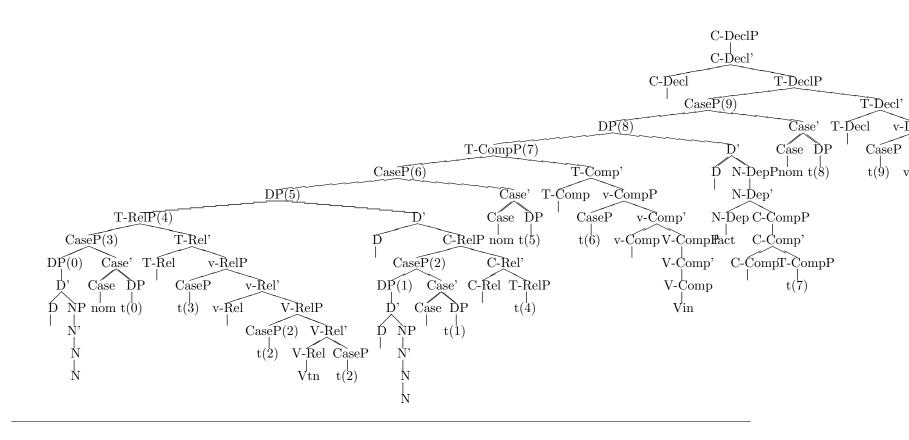


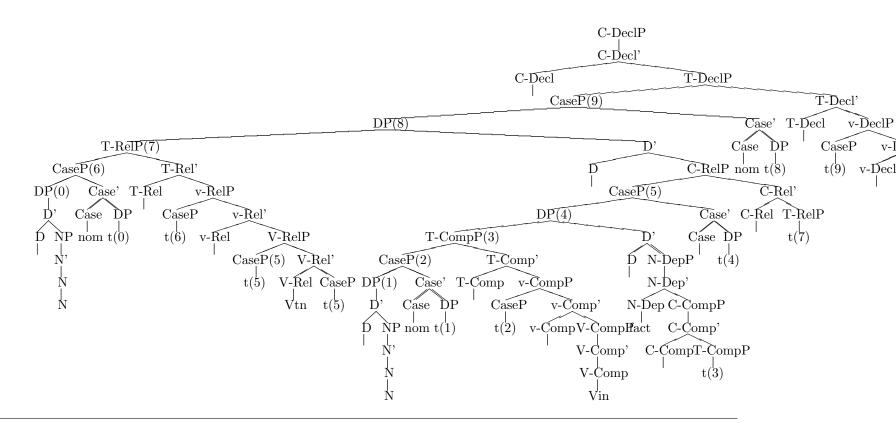


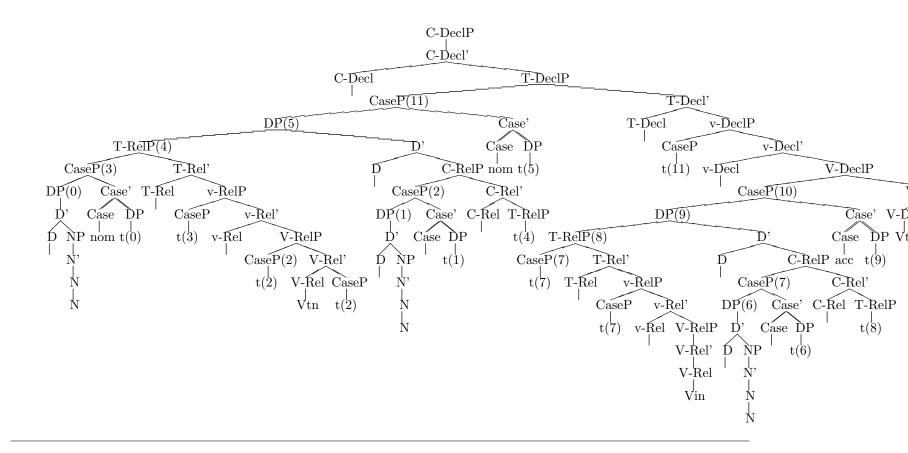


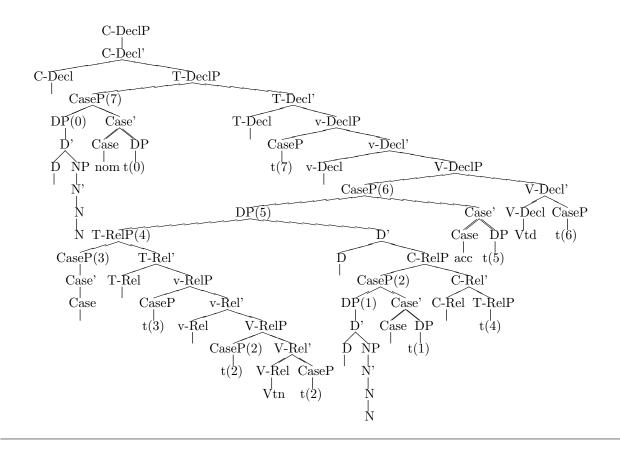


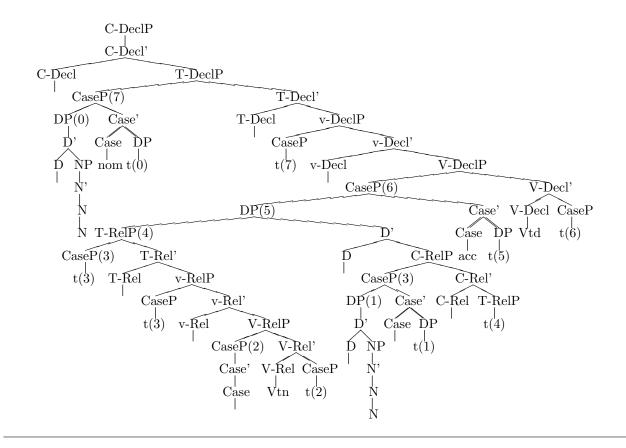




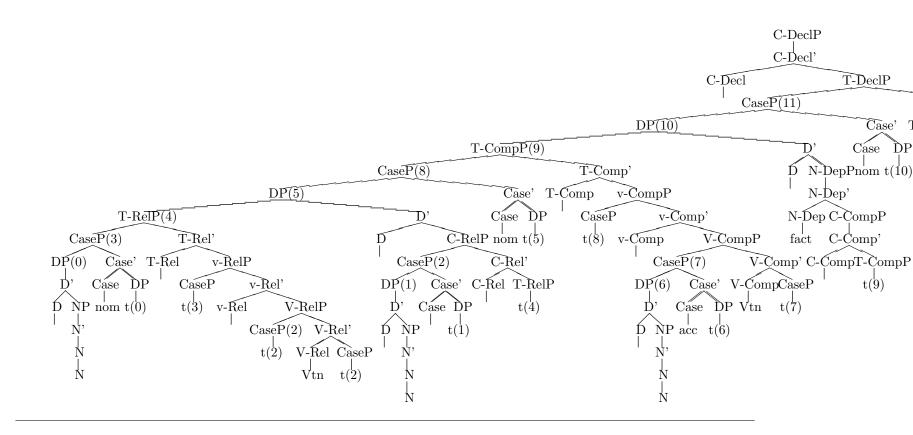




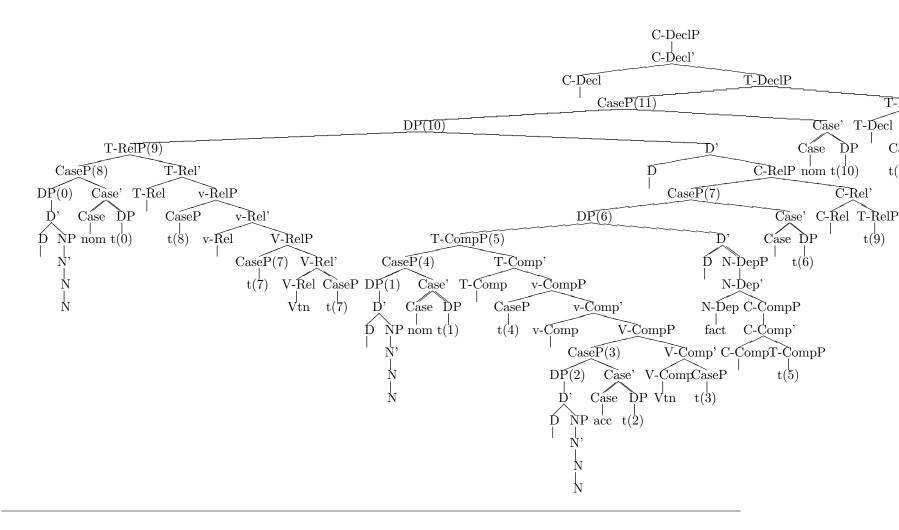


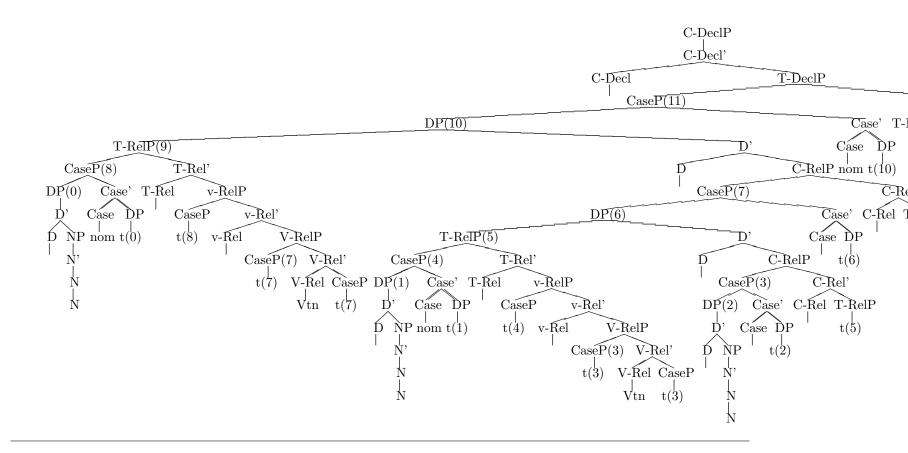


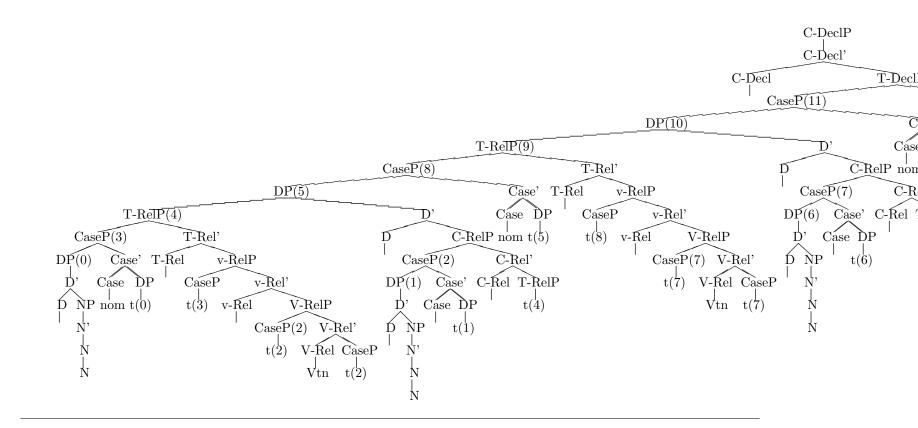
### $12.\ \ 0.0104740294411$



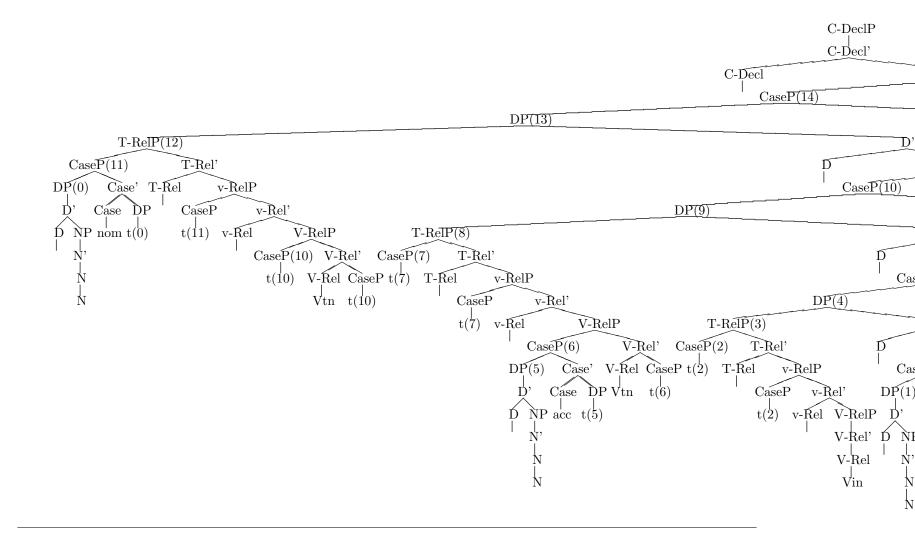
13. 0.0104740294411

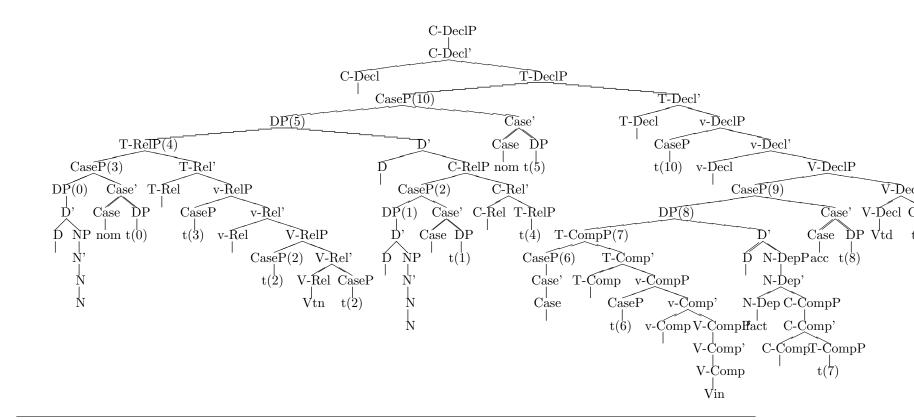


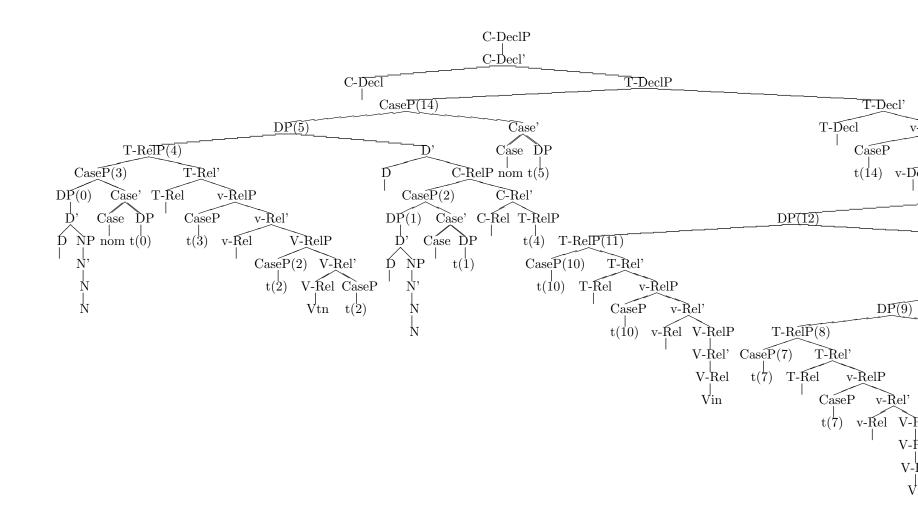


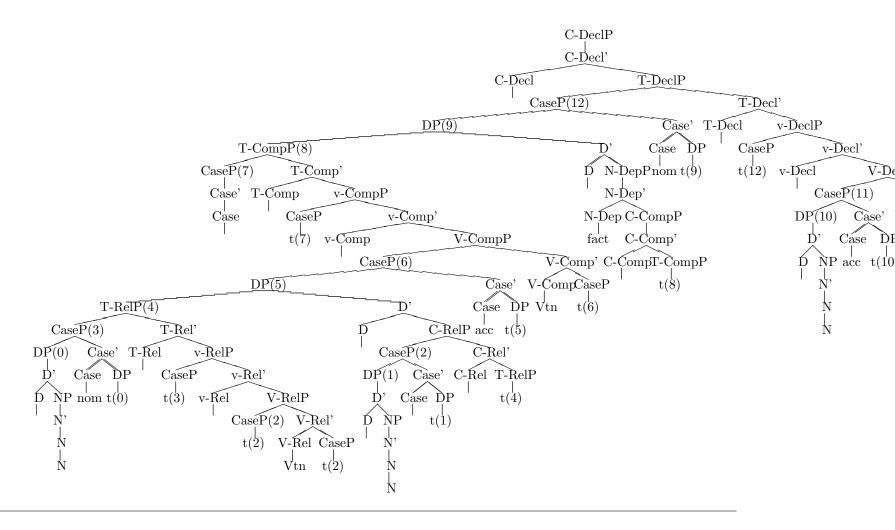


16. 0.00365394660703

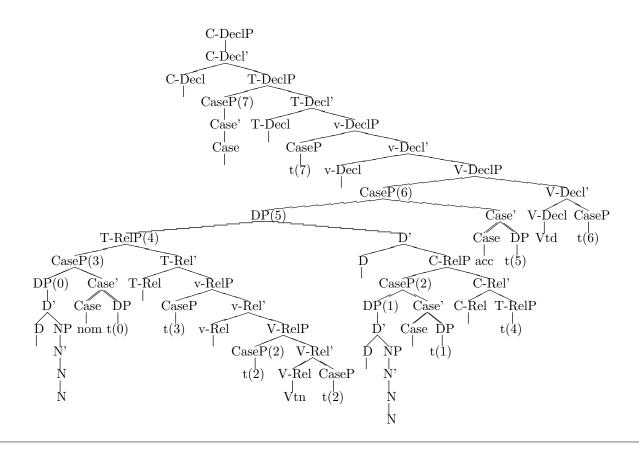




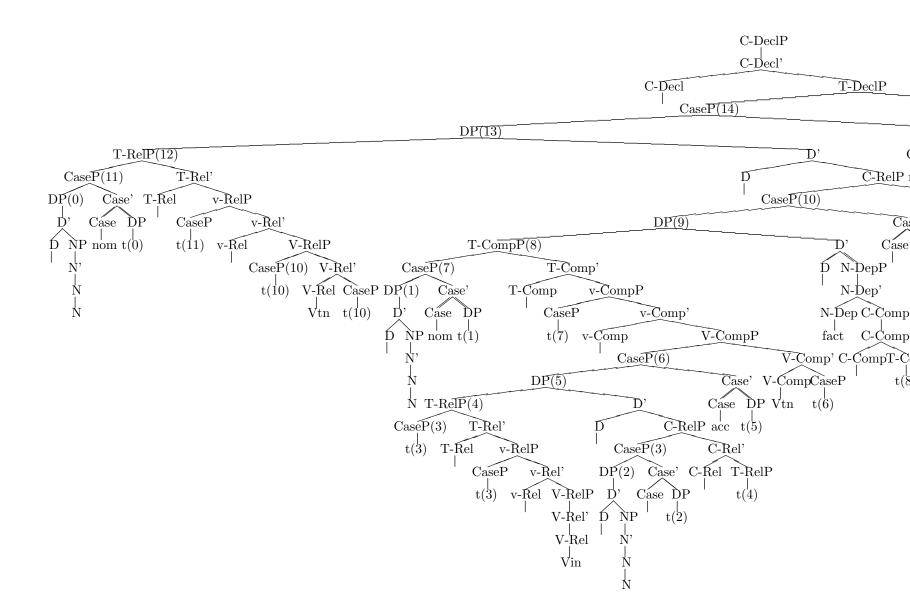




20. 0.00229408405277

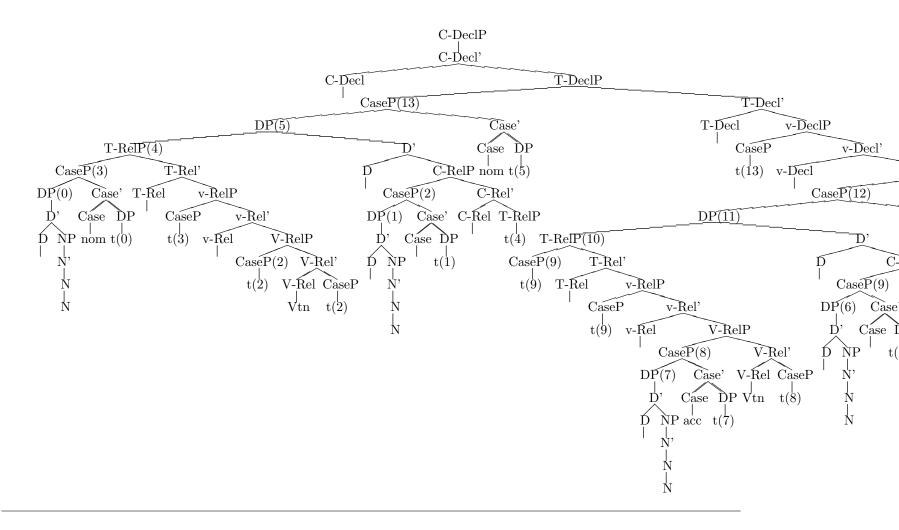


#### $21.\ \ 0.00225892231238$

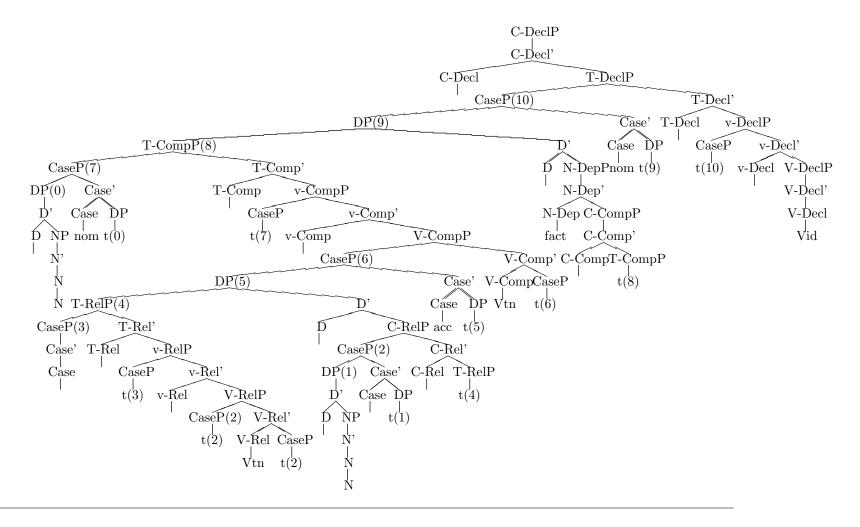


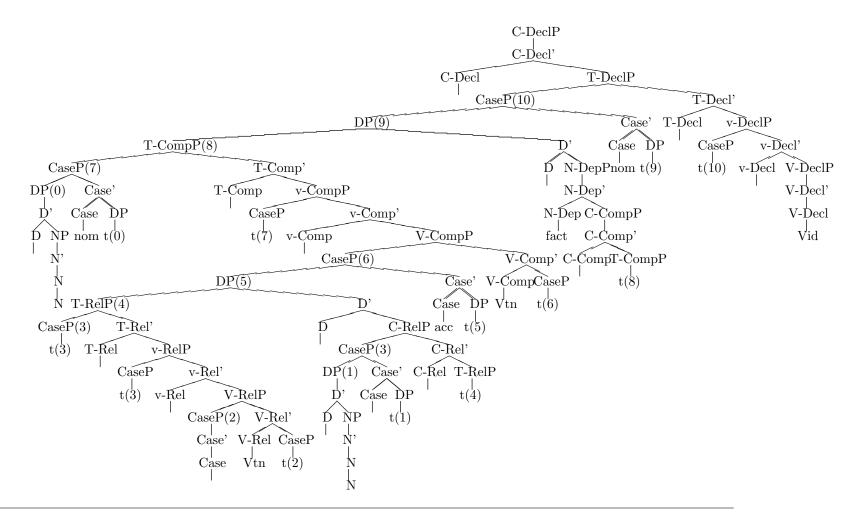
#### $22. \ 0.00208014027862$ C-DeclP C-Decl' C-Decl T-DeclP CaseP(13)T-Decl' $DP(\overline{10})$ Case' T-Decl v-DeclI T-RelP(9)Case DP CaseP $\widehat{\text{CaseP(8)}}$ C-RelP nom t(10) T-Rel' t(13) v-Decl t(8) T-Rel $\widehat{\text{CaseP(8)}}$ C-Rel' v-RelP DP(0) Case' C-Rel T-RelP CaseP v-Rel' DP( Case DP t(9)t(8) v-Rel V-RelP $\widehat{\text{CaseP(7)}}$ t(0)V-Rel' Case' V-Rel CaseP DP(6)Case DP Vtn t(7)T-RelP(5) $\widehat{\text{CaseP}(4)}$ T-Rel' C-RelP acc t(6) DP(1) Case' T-Rel v-RelP $\widehat{\text{CaseP}(3)}$ C-Rel' Case DP CaseP DP(2) Case' C-Rel T-RelP v-Rel' $\hat{N}P \text{ nom } t(1)$ t(5)t(4) v-Rel V-RelP Case DP CaseP(3) V-Rel' t(3) V-Rel CaseP V tn t(3)

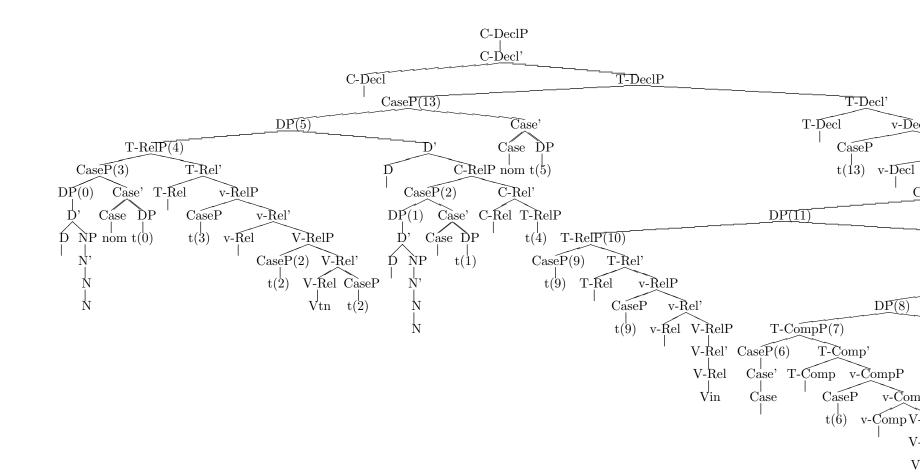
 $23. \ 0.00208014027862$ 



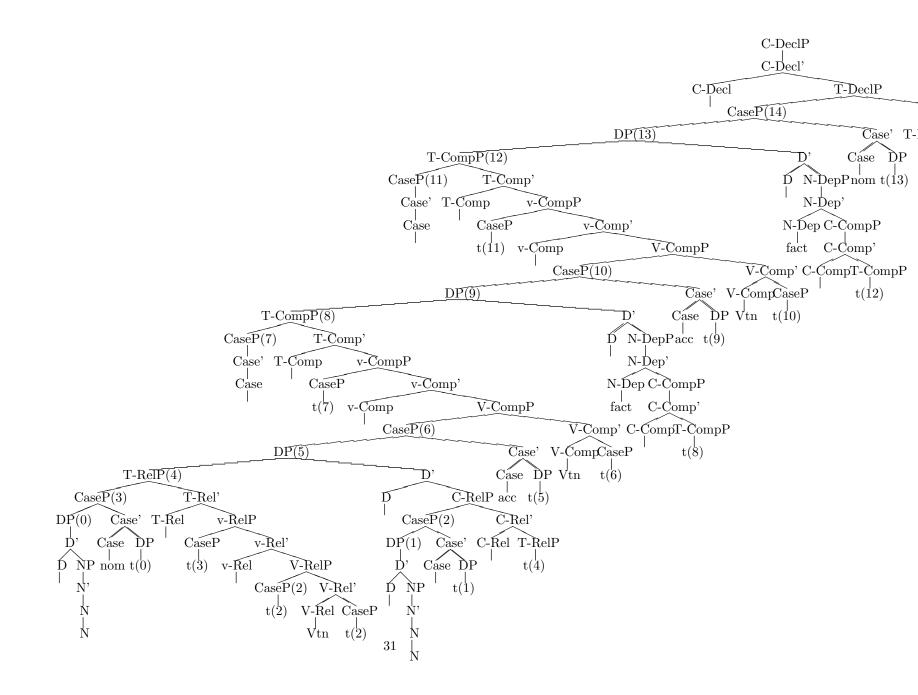
 $24. \ 0.00197196012194$ 

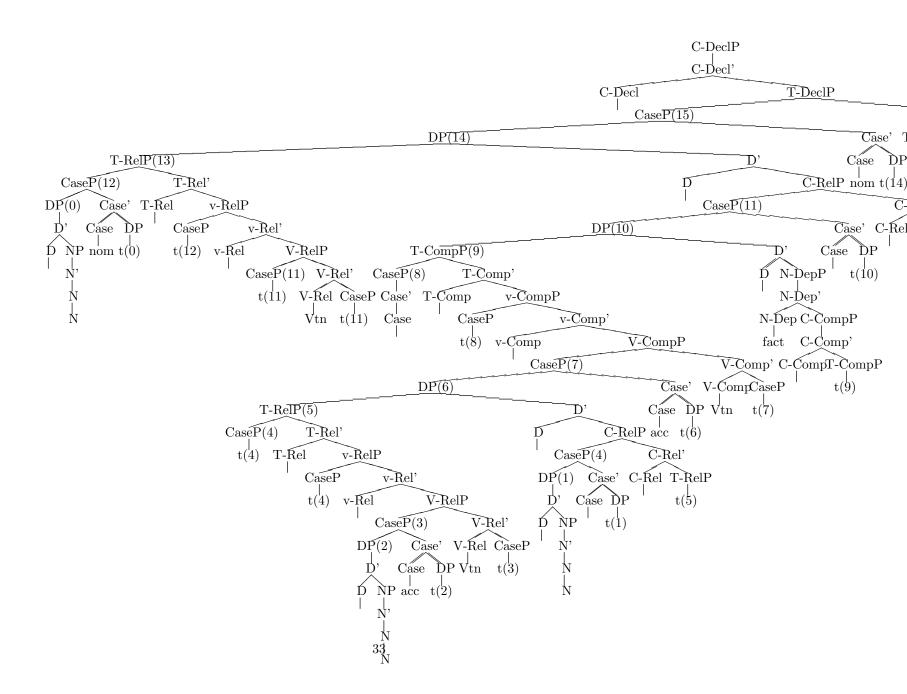


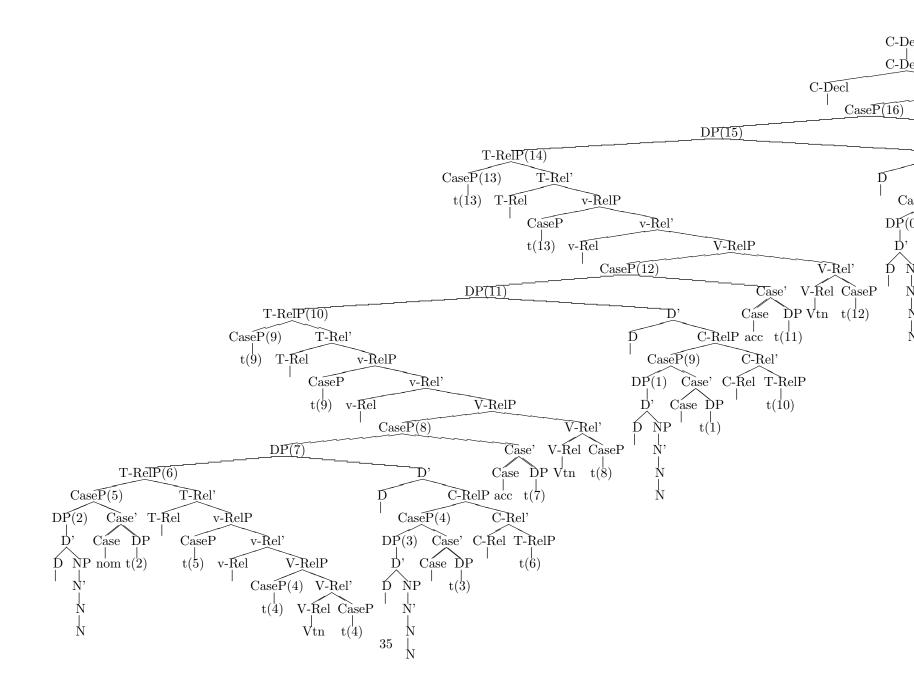


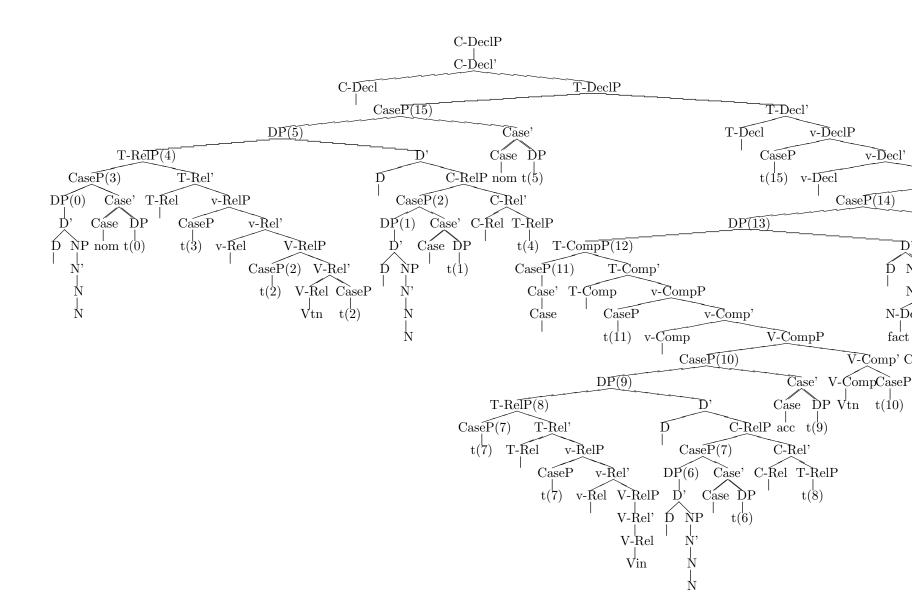


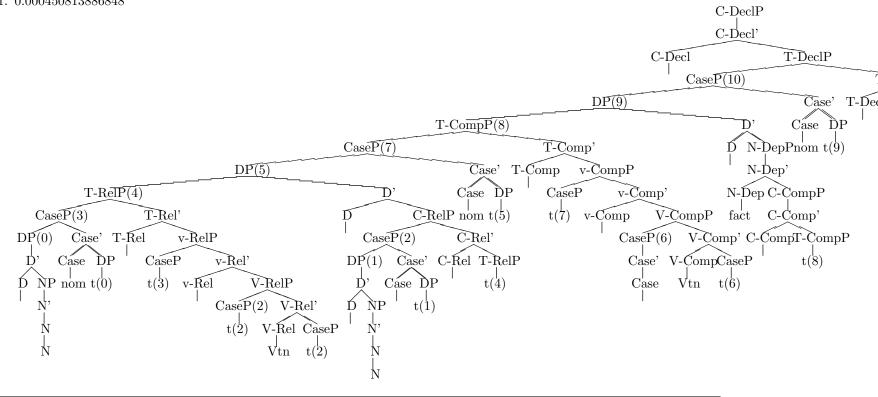
 $27. \ \ 0.000660379045422$ 



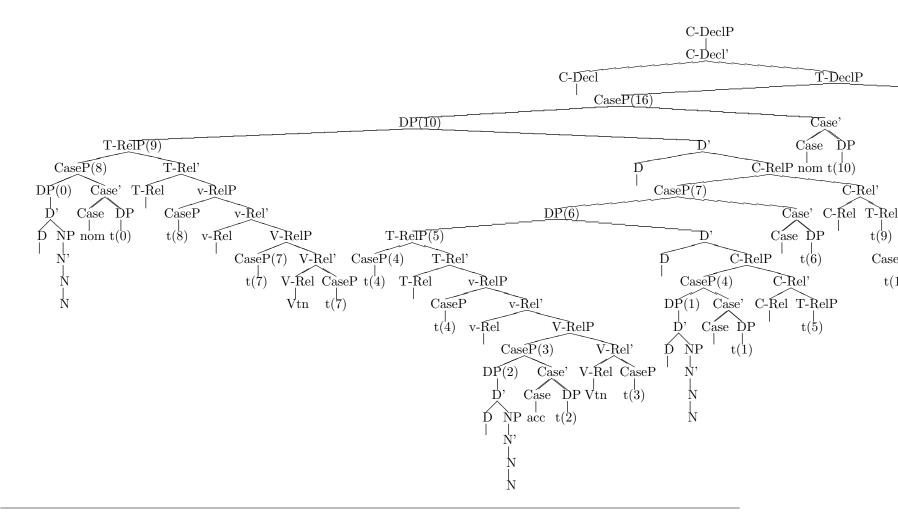


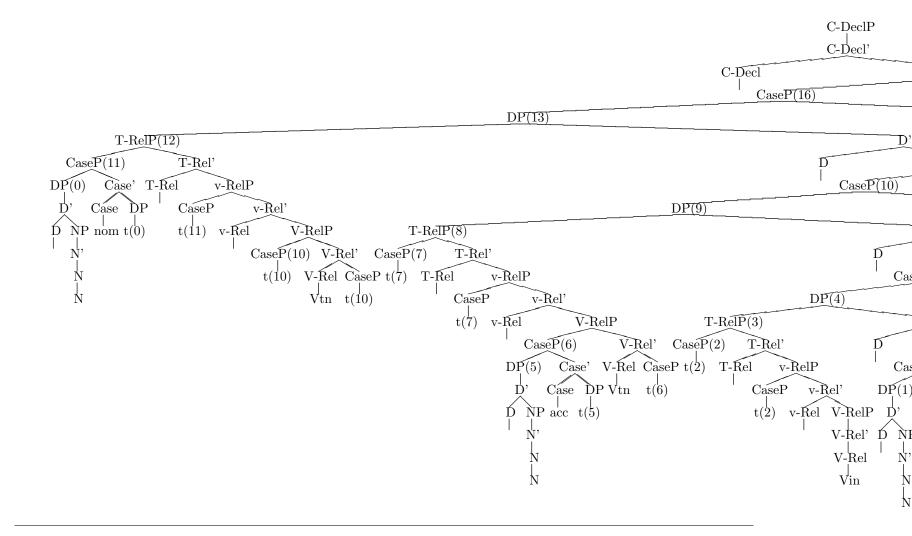




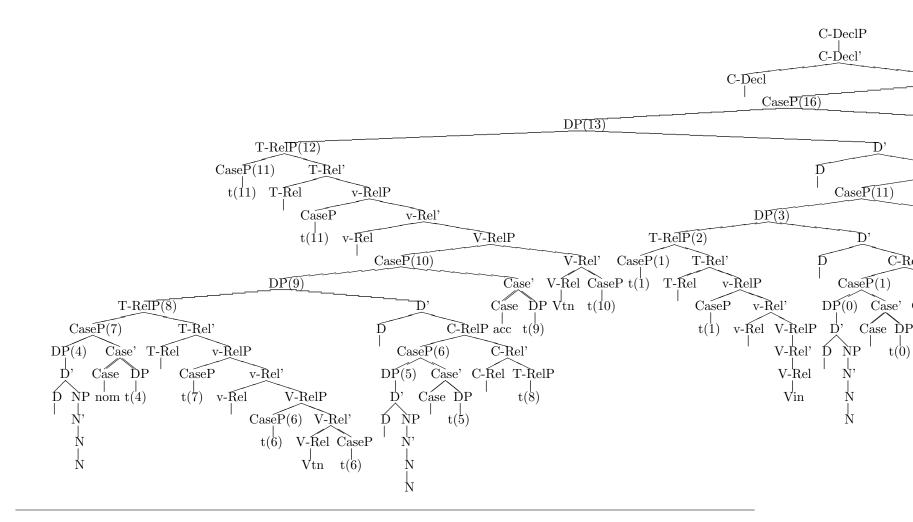


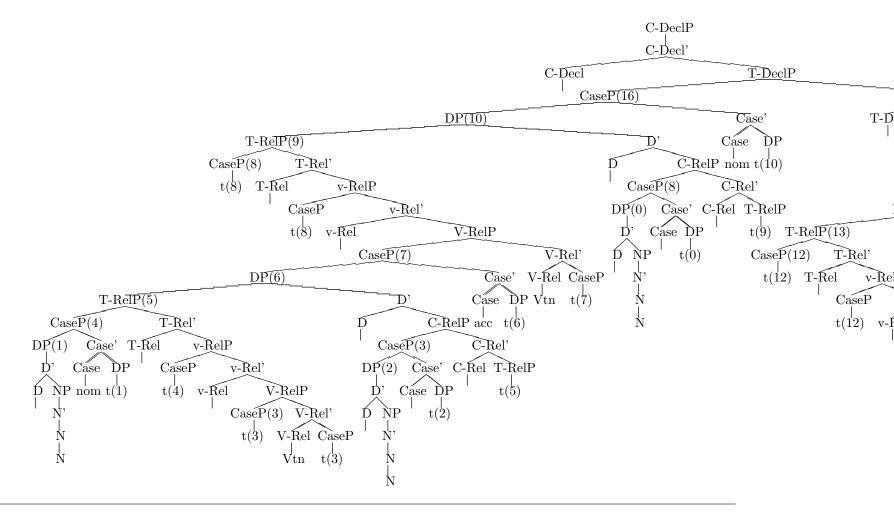
 $32. \ 0.000448621546722$ 



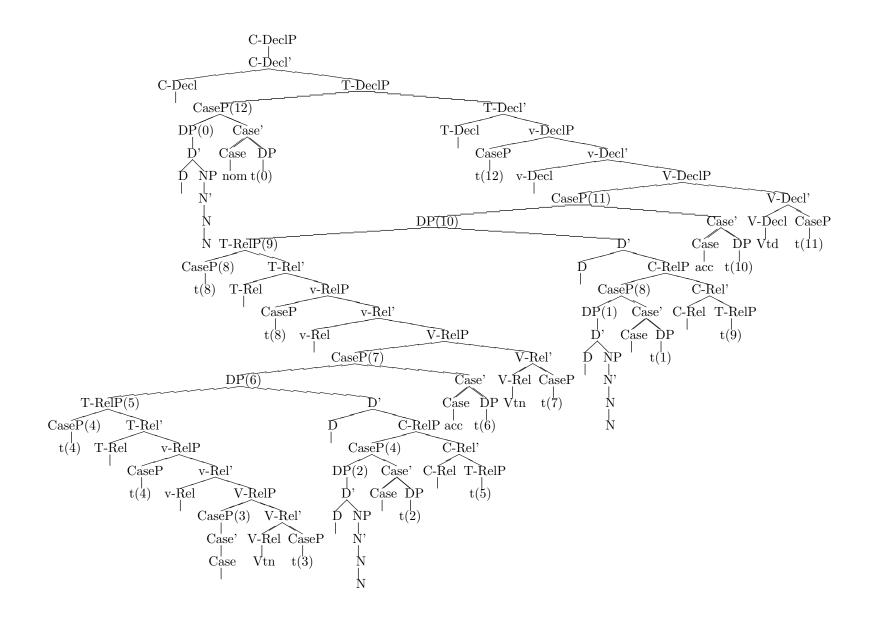


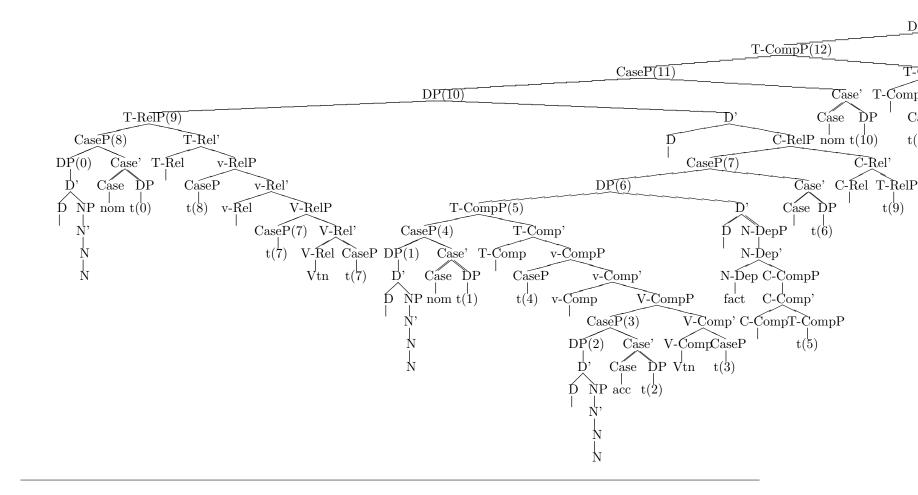
 $34. \ 0.000448621546722$ 

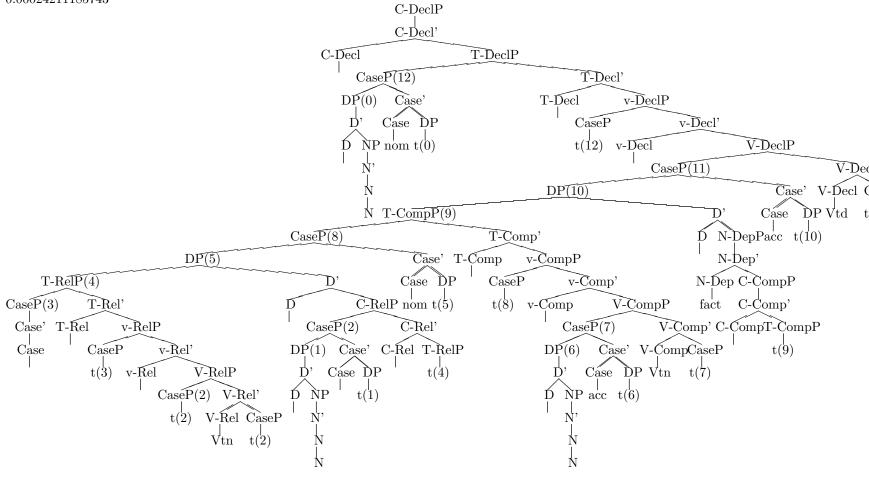




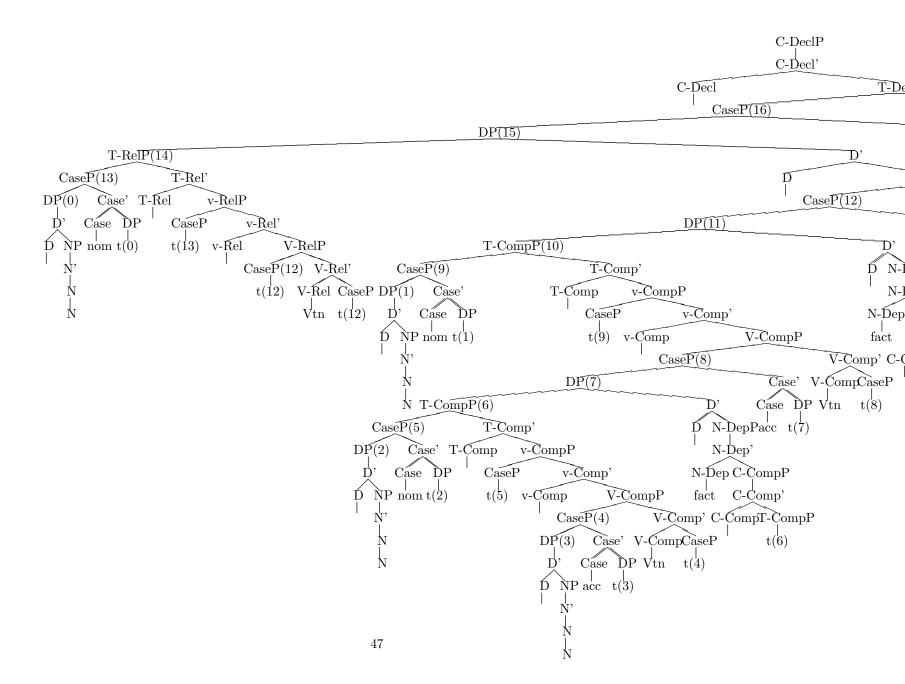
36. 0.000391630909628

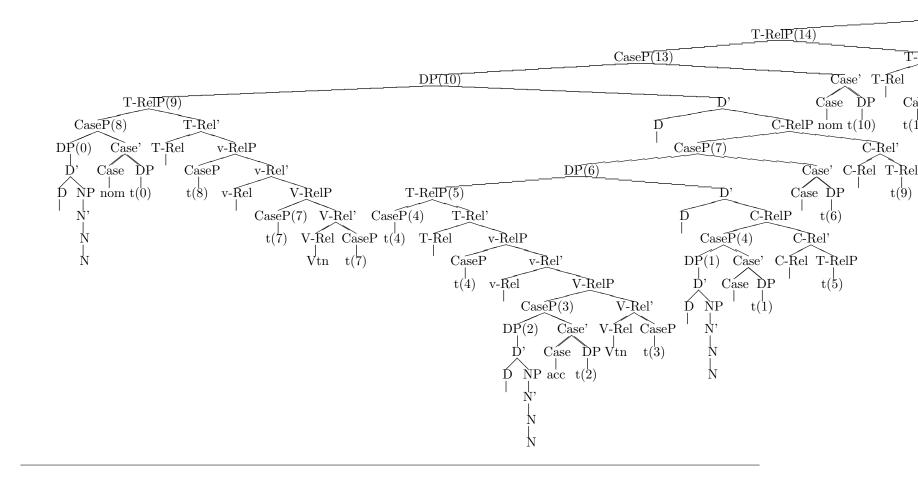


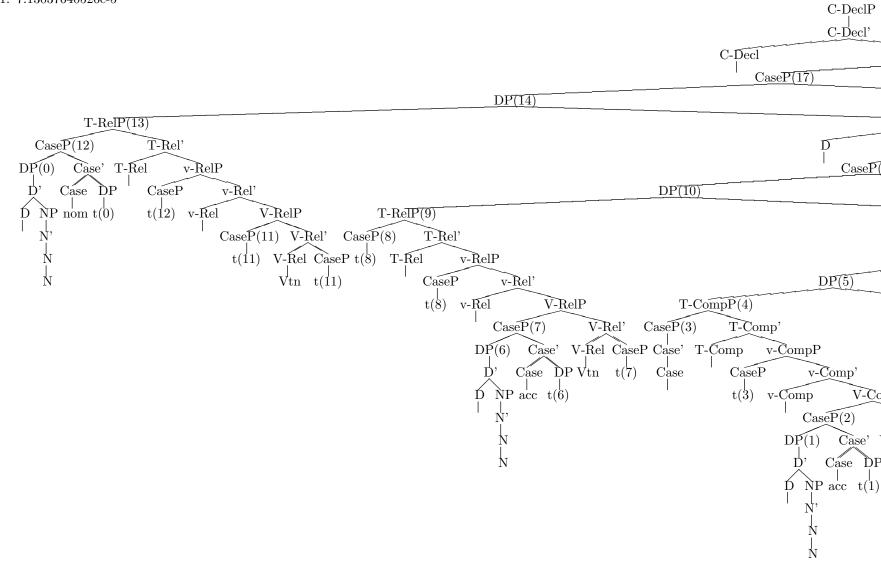




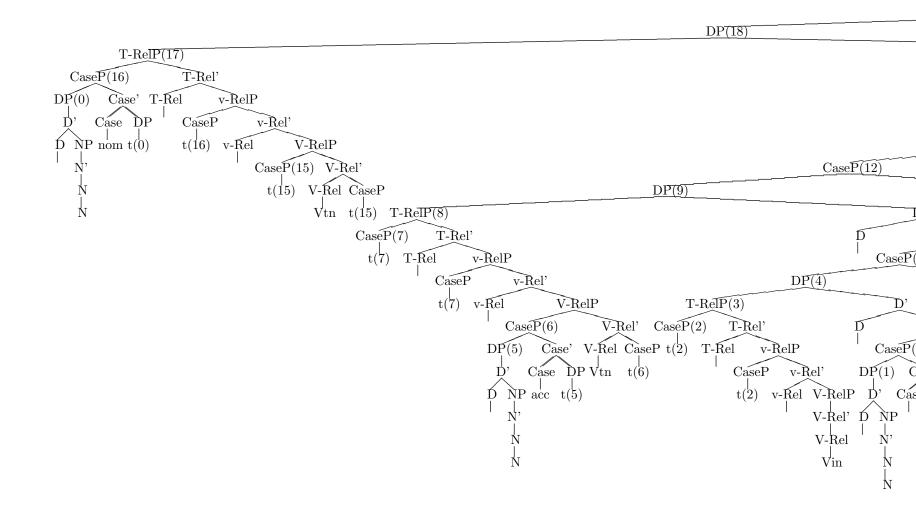
39. 0.000195197370179



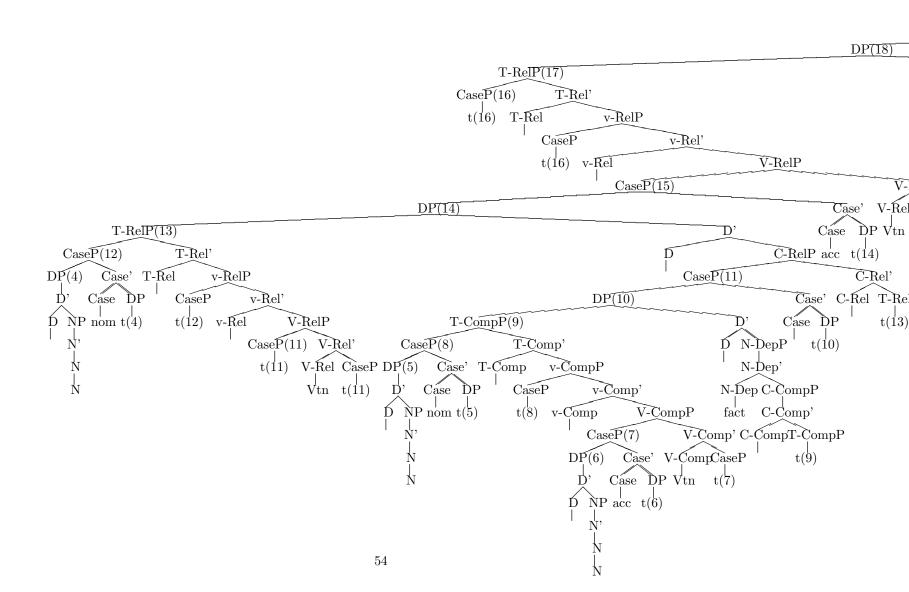




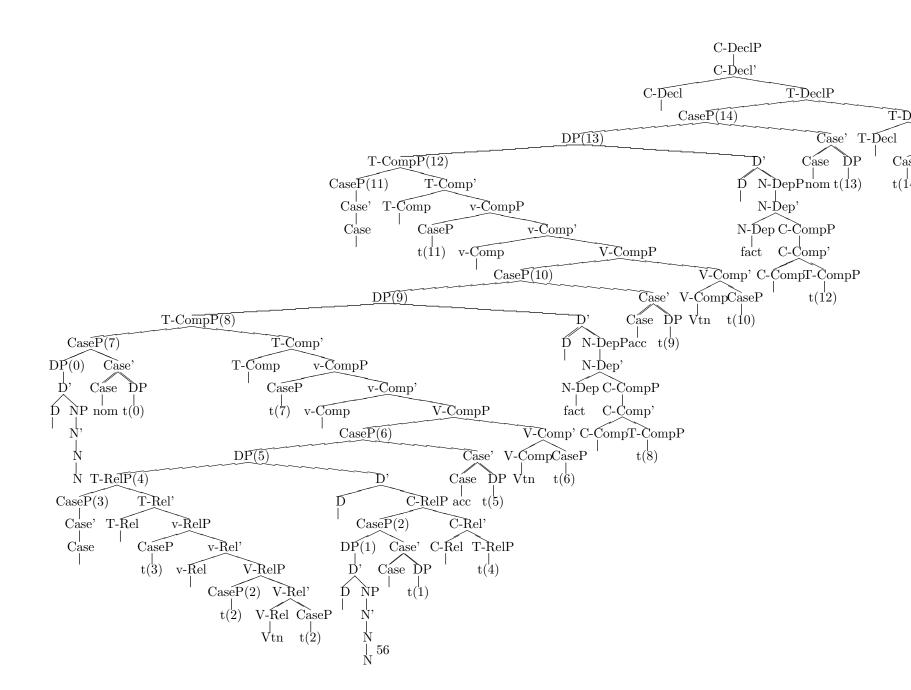
42. 6.80961202637e-5



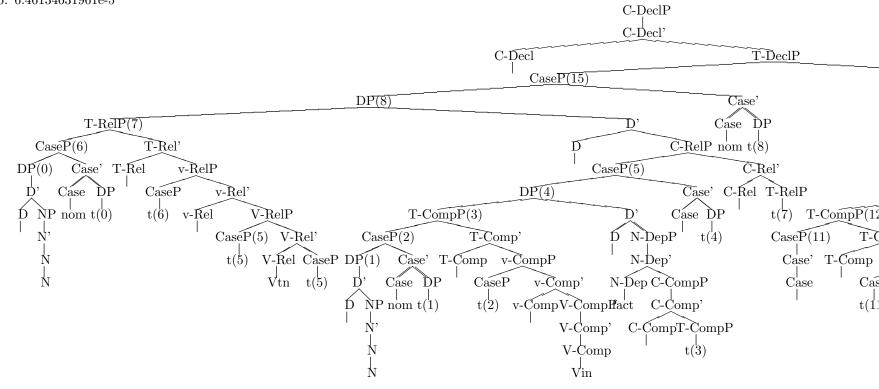
43. 6.80961202637e-5



44. 6.75955274269e-5

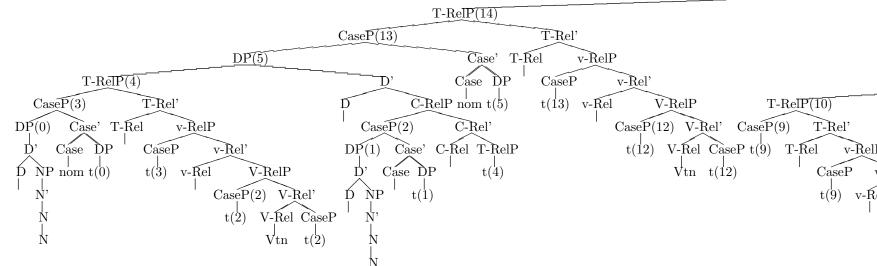


### 45. 6.46134631961e-5

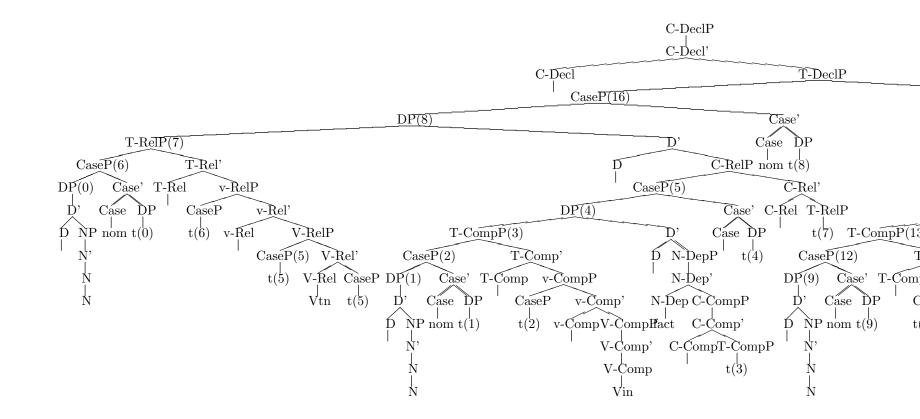


#### 46. 4.22633266038e-5

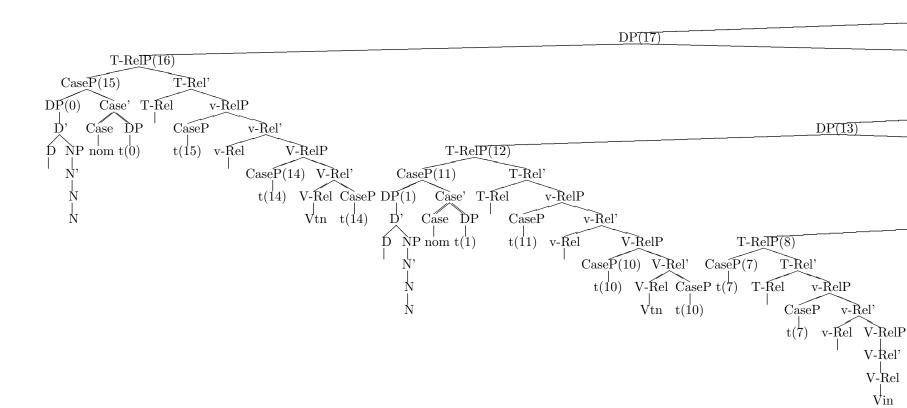




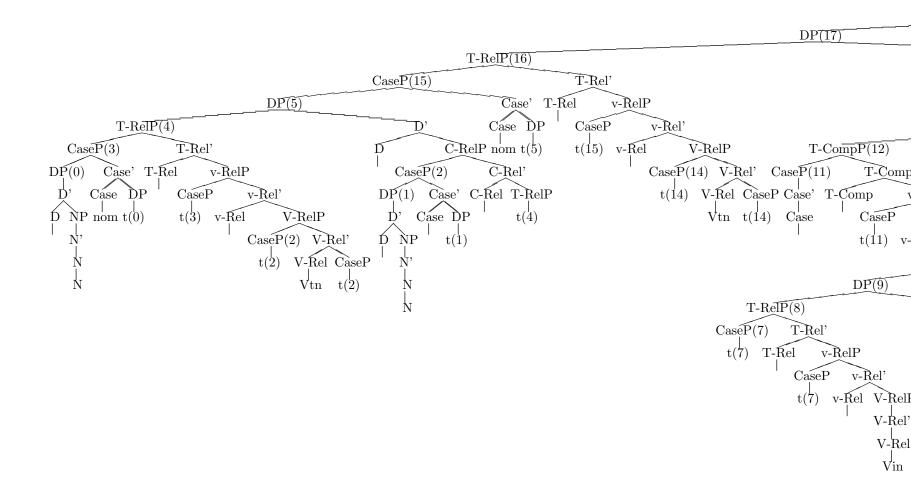
### 47. 3.51288035425e-5



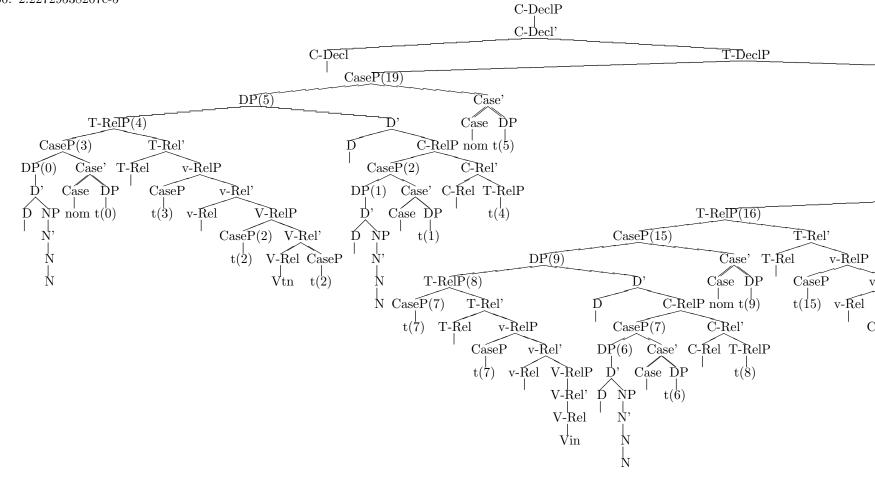
48. 2.88331580979e-5



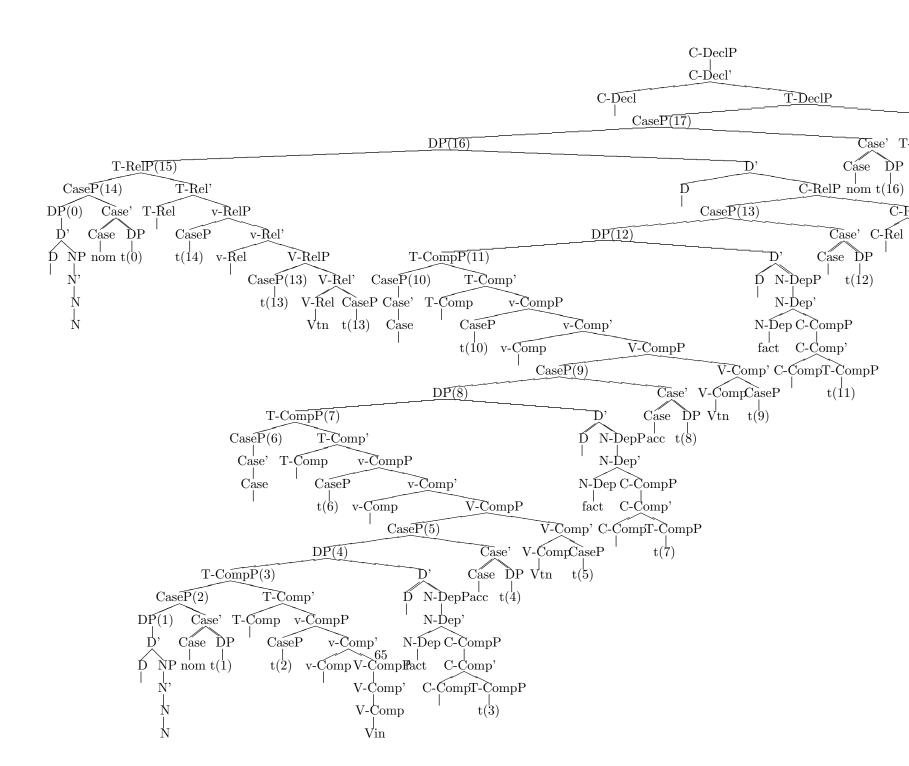
49. 2.88331580979e-5

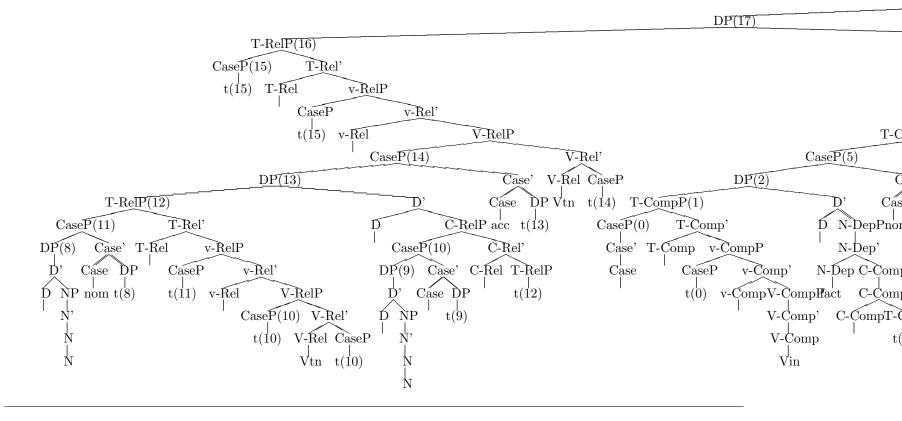




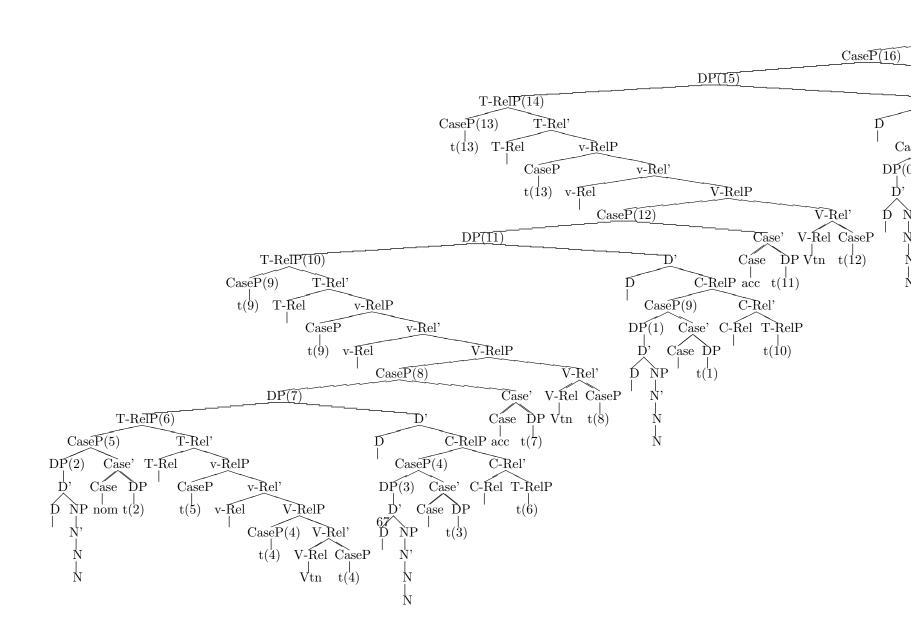


## 51. 1.80395176427e-5

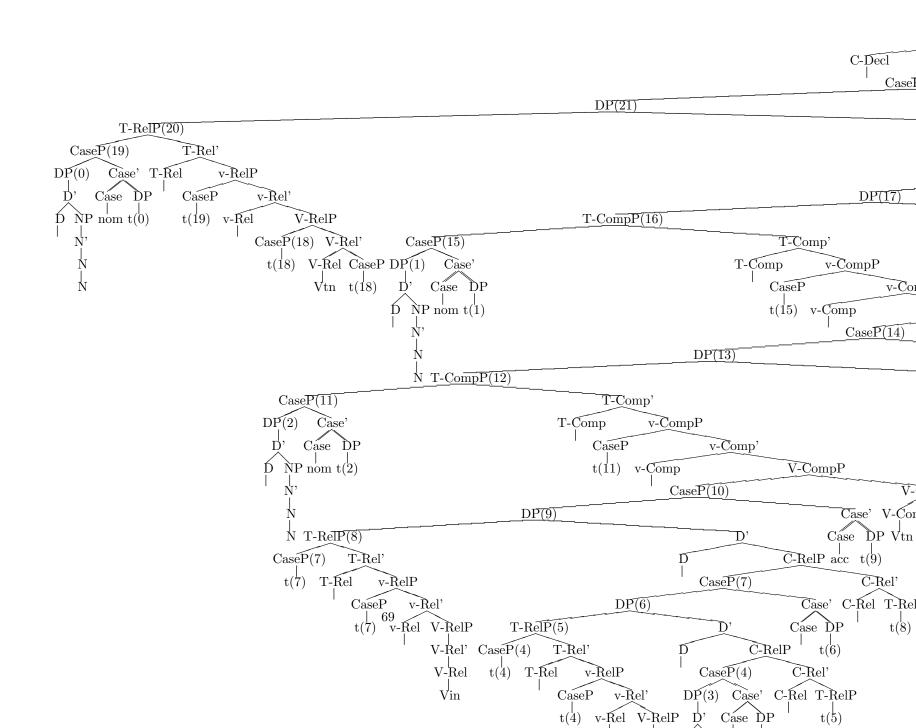




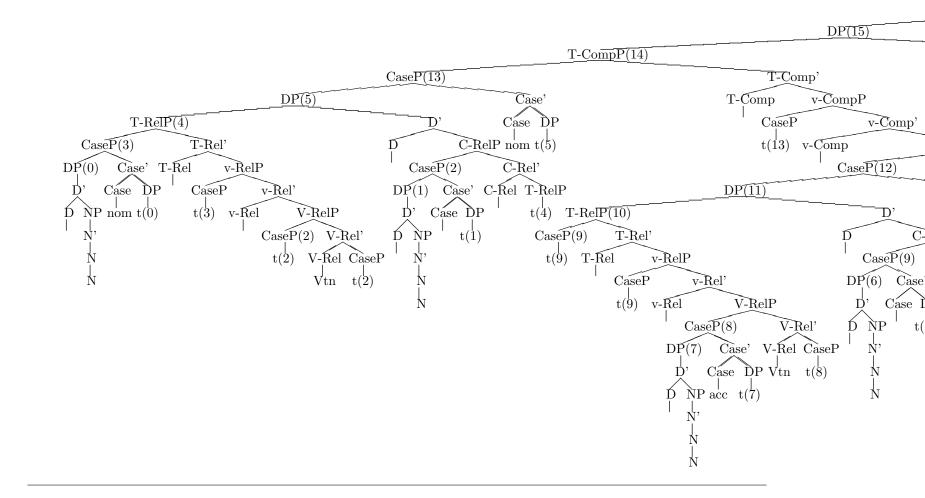
53. 1.39517087828e-5

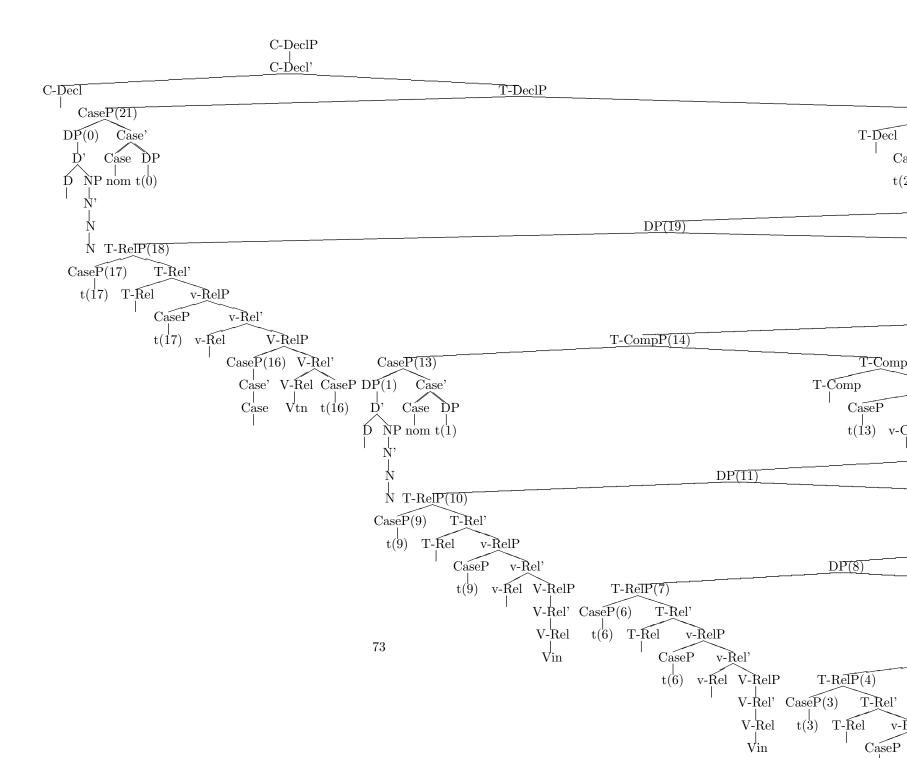


54. 9.07922903748e-6

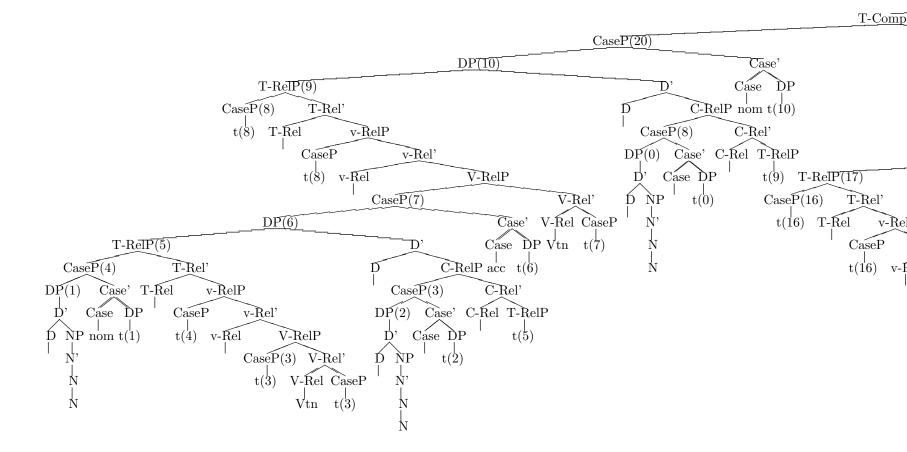


55. 8.36065495312e-6

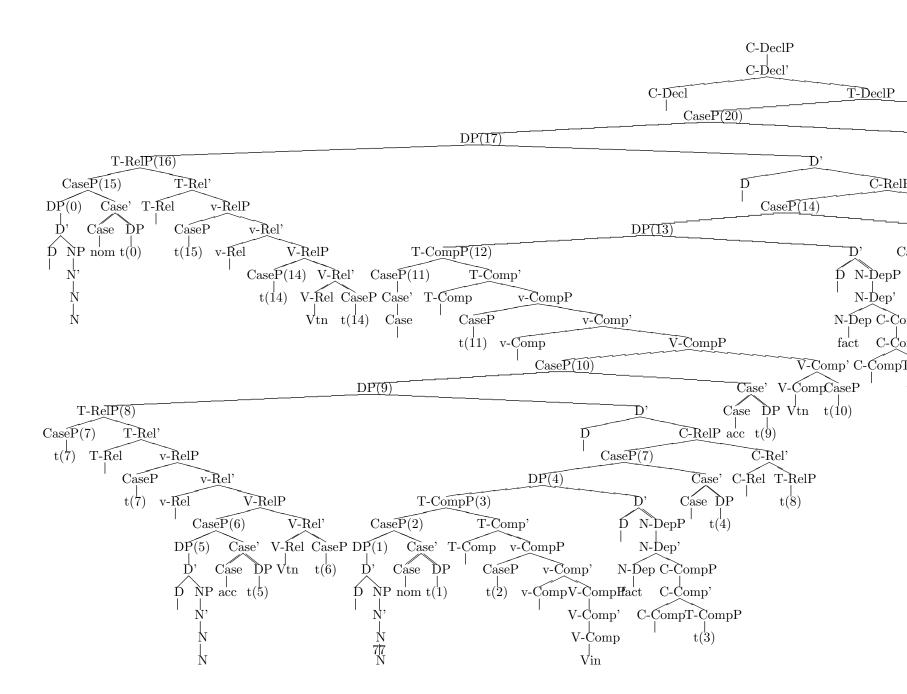




57. 2.33422223591e-6

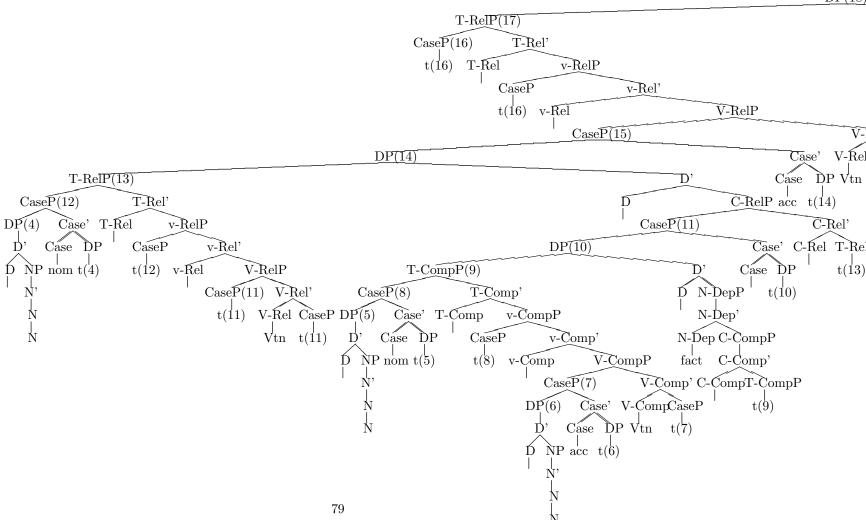


58. 1.94779879607e-6

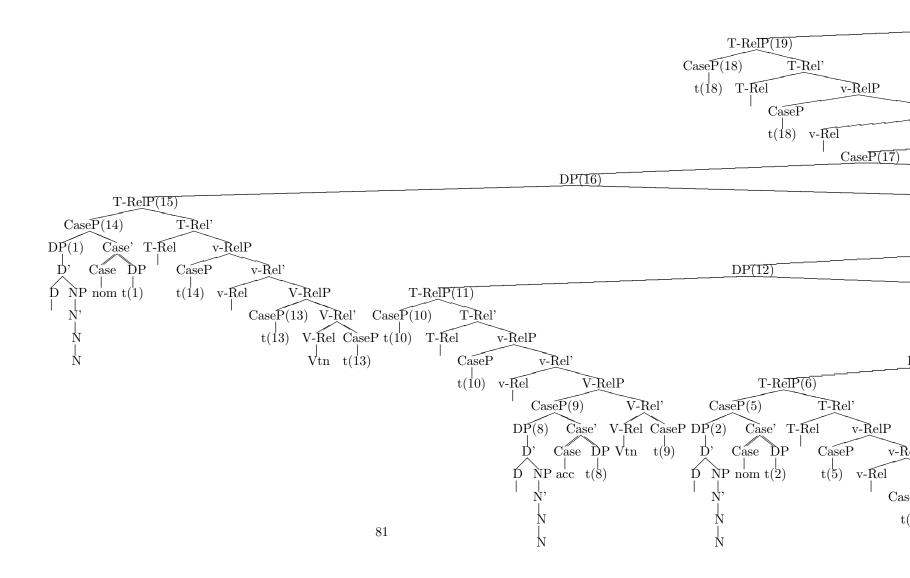


59. 1.05897189011e-6

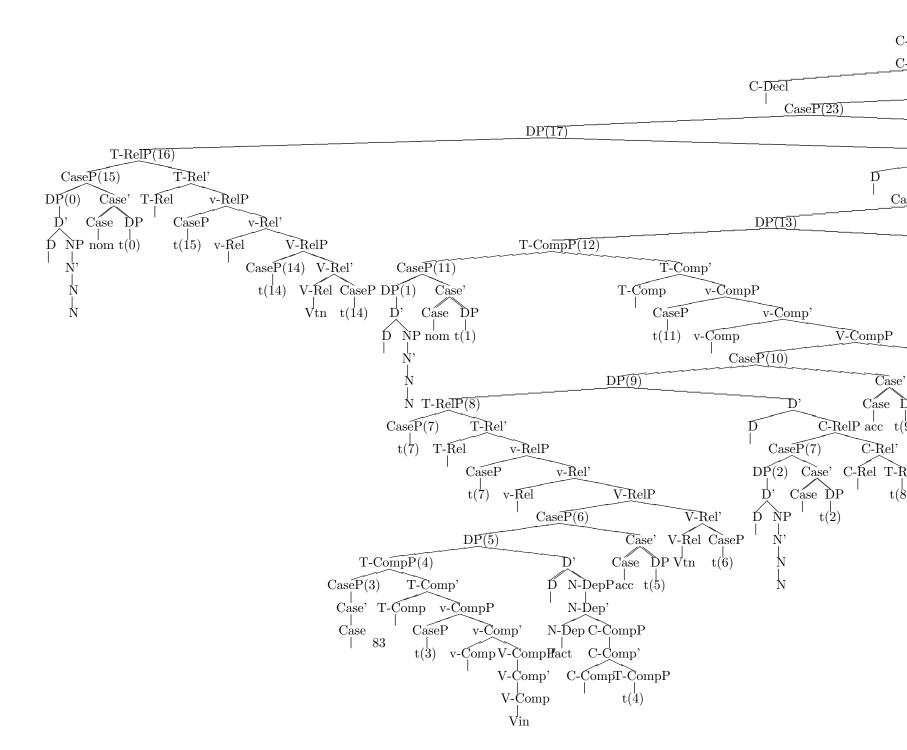




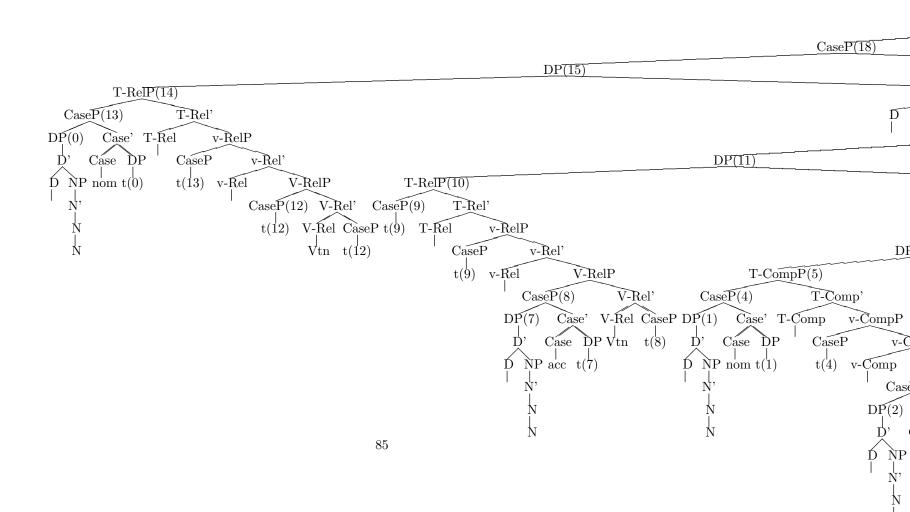
60. 4.35155978439e-7



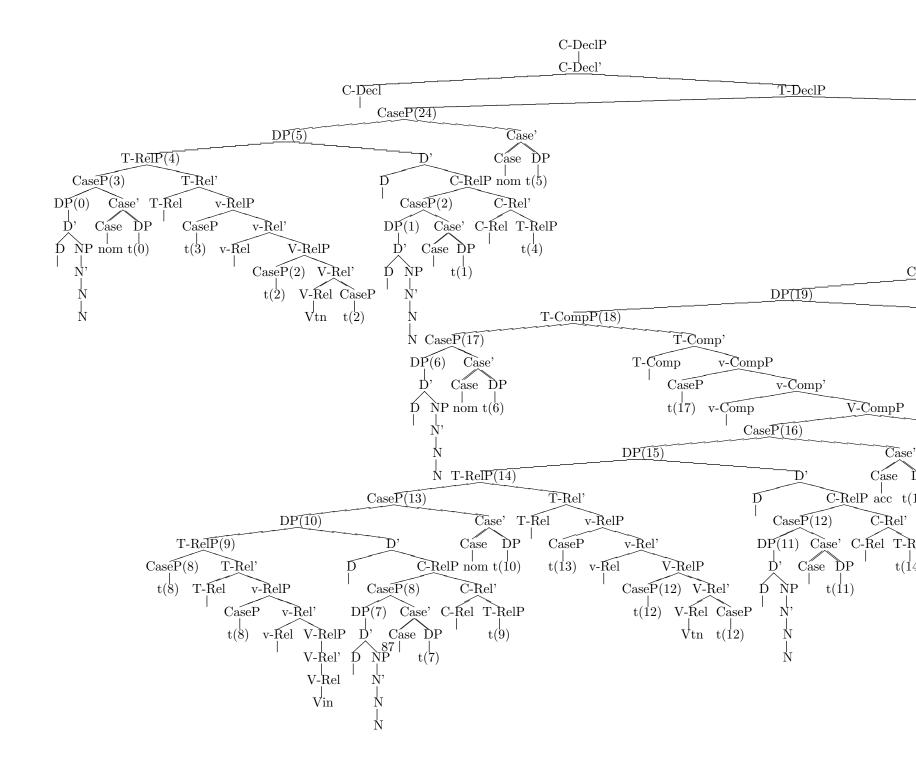
61. 4.20079605964e-7



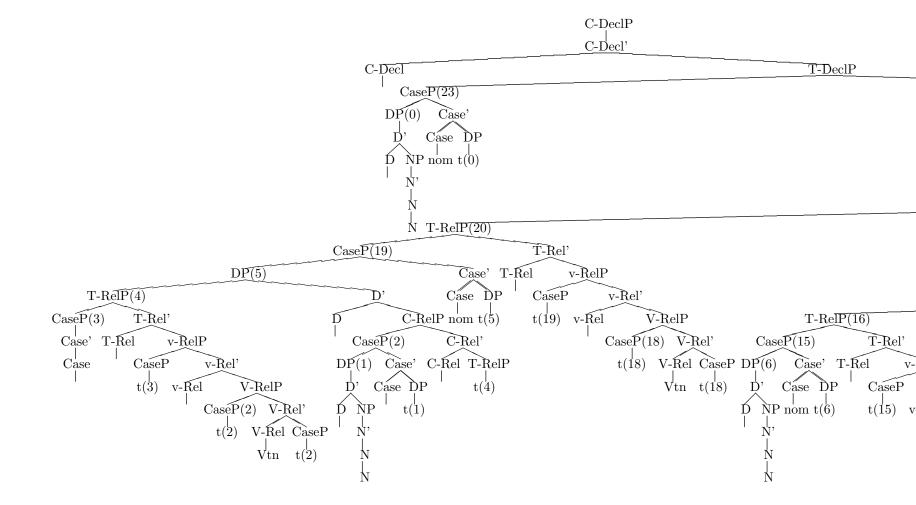
62. 5.98546310272e-8



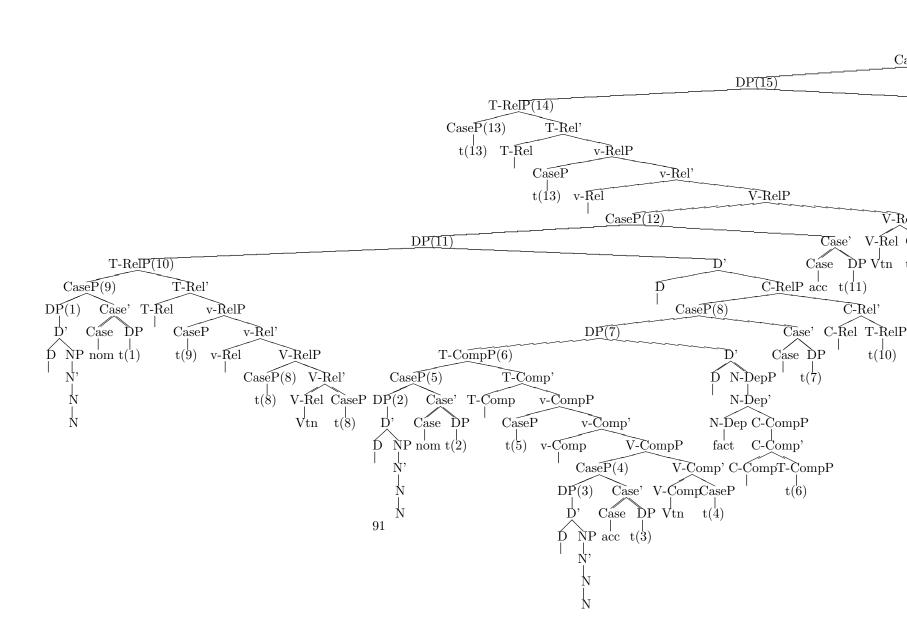
63. 5.25753436903e-8



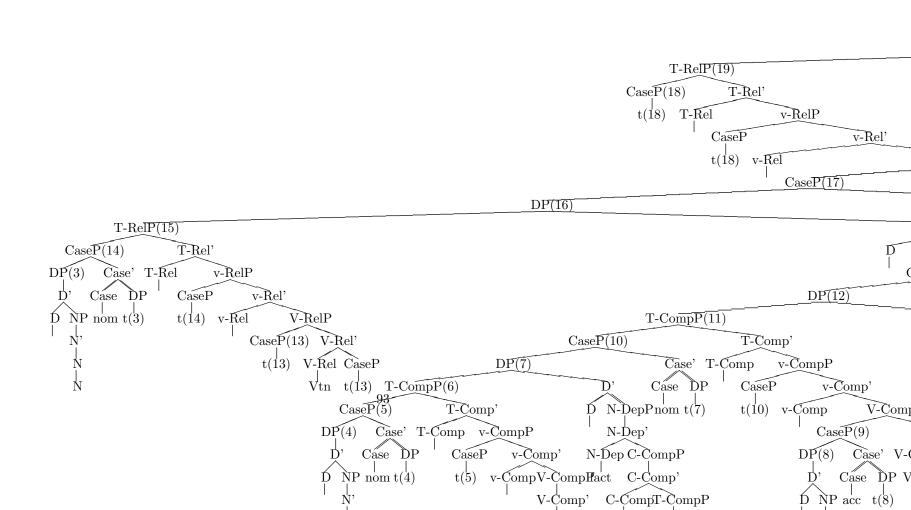
64. 2.91000283225e-8



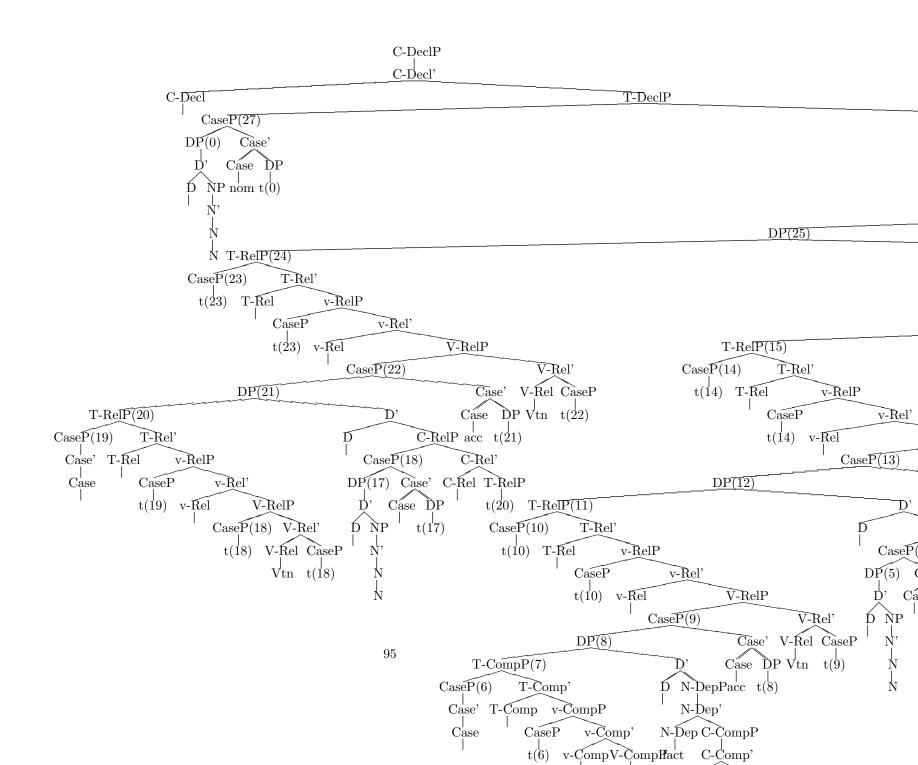
65. 1.61984499766e-8



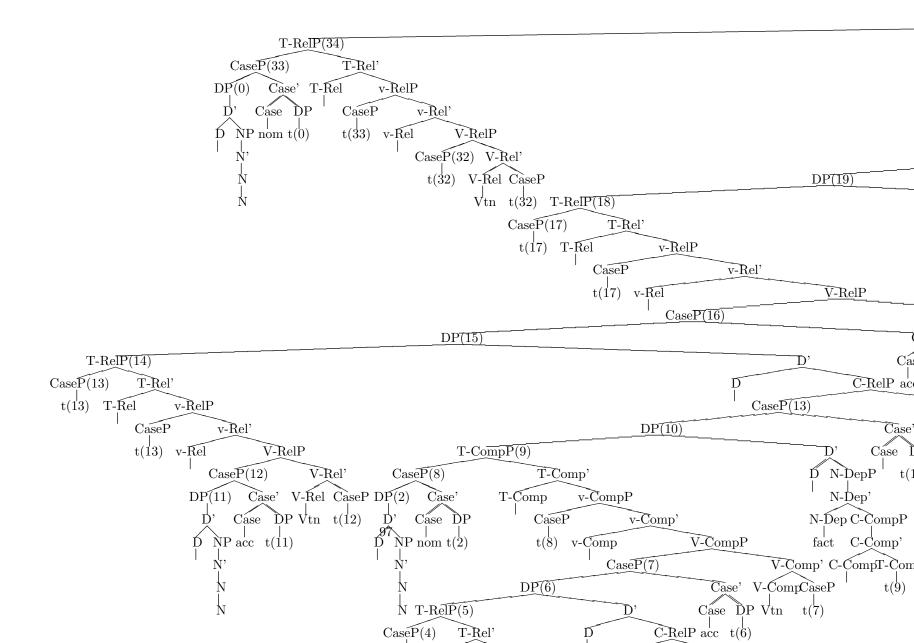
66. 1.48551701733e-8



67. 3.85654063166e-9



68. 1.33390889774e-11



69. 2.56034534482e-14

