APPENDIX I

SYNTAX TREES

Syntax Tree	Total # of Lines	Percentage
[V NN]	251	6.02%
[NN V]	137	3.28%
[A NN]	133	3.19%
[VV N]	77	1.85%
[NN]	71	1.70%
[NNN]	67	1.61%
[NN [V NN]]	55	1.32%
[A VV]	54	1.29%
[[N Q] NN]	52	1.25%
[N N N]	48	1.15%
[N]	41	0.98%
[[N Q] N]	40	0.96%
[NN N]	38	0.91%
[VV NN]	36	0.86%
[N NN]	34	0.81%
[NN NN]	34	0.81%
[I [V N]]	33	0.79%
[NN VV]	29	0.70%
[AA V]	26	0.62%
[[[N Q] NN][V NN]]	25	0.60%
[V V V]	25	0.60%
[V [A N]]	22	0.53%
[N VV]	21	0.50%
[VV [A NN]]	21	0.50%

[V [A V]]	19	0.46%
[V N]	19	0.46%
[[V G] A]	18	0.43%
[N N]	17	0.41%
[NN K]	17	0.41%
[V AA]	17	0.41%
[V VV]	17	0.41%
[V]	17	0.41%
[[NN NN][A VV]]	16	0.38%
[[NN NN][V NN]]	16	0.38%
[[[N Q] NN][V V V]]	14	0.34%
[[N Q] NNN]	14	0.34%
[[VV NN][V NN]]	14	0.34%
[V [Q N]]	14	0.34%
[VV VV]	13	0.31%
[[[N Q] NN][[N Q] N]]	12	0.29%
[[N Q][A NN]]	12	0.29%
[[P N] V]	12	0.29%
[AA NN]	12	0.29%
[N [WW N]]	12	0.29%
[VV E]	12	0.29%
[[[N Q] NN][V [V N]]]	11	0.26%
[[[N Q] NNN] E]	11	0.26%
[[NN VV][NN V]]	11	0.26%
[[NN VV][V NN]]	11	0.26%
[AA N]	11	0.26%
[V [P N]]	11	0.26%
[V [V N]]	11	0.26%
[VV [[N Q][A NN]]]	11	0.26%
[VV NNN]	11	0.26%
[VV V]	11	0.26%
[[[N Q] NN][[N K] V]]	10	0.24%
[[NN NN][NN V]]	10	0.24%
[[V E] V]	10	0.24%
[[V N][V N]]	10	0.24%
[I [A V]]	10	0.24%

[N [A V]]	10	0.24%
[NN [NN V]]	10	0.24%
[V [B V]]	10	0.24%
[[N Q][N Q][N Q][N Q]]	9	0.22%
[[NN NN] VV]	9	0.22%
[[NN VV] E]	9	0.22%
[[V E][[V E] V]]	9	0.22%
[[V N] V]	9	0.22%
[A N]	9	0.22%
[NN [A V]]	9	0.22%
[[A N] V]	8	0.19%
[[AA X] NN]	8	0.19%
[[V E] N]	8	0.19%
[AA [L [Q [A NN]]]]	8	0.19%
[N [V NN]]	8	0.19%
[N N N N N]	8	0.19%
[N Q]	8	0.19%
[NN [A VV]]	8	0.19%
[NN [C NN]]	8	0.19%
[NN [V AA]]	8	0.19%
[NN [V N]]	8	0.19%
[[[N Q] NN][L NN]]	7	0.17%
[[[N Q] NN][NN V]]	7	0.17%
[[[N Q][A N]][V NN]]	7	0.17%
[[N V] E]	7	0.17%
[[P [[I X] NN]][V V V]]	7	0.17%
[[V N] E]	7	0.17%
[I [L [[N Q][A NN]]]]	7	0.17%
[I [L [A NN]]]	7	0.17%
[I VV]	7	0.17%
[N [T V]]	7	0.17%
[NN [AA V]]	7	0.17%
[NN [V [A V]]]	7	0.17%
[NNNN]	7	0.17%
[V [N Q]]	7	0.17%
[VV [[N Q] NNN]]	7	0.17%

[[AA X] N]	6	0.14%
[[N Q][V NN]]	6	0.14%
[[NN [B V]][[W N] V]]	6	0.14%
[[NN NN][A NN]]	6	0.14%
[[NN NN][AA V]]	6	0.14%
[[V E] NN]	6	0.14%
[[VV E] N]	6	0.14%
[I [V [[N Q][A NN]]]]	6	0.14%
[N [V N]]	6	0.14%
[NN [V [Q N]]]	6	0.14%
[NN [V [V N]]]	6	0.14%
[T [V N]]	6	0.14%
[[[N Q] NN][[P [N K]] V]]	5	0.12%
[[[N Q] NN][V VV]]	5	0.12%
[[[N Q][A N]][V [V N]]]	5	0.12%
[[[N Q][N Q]][N Q]]	5	0.12%
[[N K] V]	5	0.12%
[[N K][[N Q] N]]	5	0.12%
[[N Q][A N]]	5	0.12%
[[NN NN] V]	5	0.12%
[[NN NN][B NN]]	5	0.12%
[[NN NN][C NN]]	5	0.12%
[[NN NN][T VV]]	5	0.12%
[[V [P [N K]]][B [N Q]]]	5	0.12%
[[V [P NN]][V V V]]	5	0.12%
[[V I] V]	5	0.12%
[[VV NN][AA V]]	5	0.12%
[A [A N]]	5	0.12%
[A V]	5	0.12%
[B [V N]]	5	0.12%
[I [V V]]	5	0.12%
[L NN]	5	0.12%
[N [N Q]]	5	0.12%
[N N N N N N N]	5	0.12%
[N N N N N N]	5	0.12%
[NN [L NN]]	5	0.12%

[NN [V VV]]	5	0.12%
[V [L AA]]	5	0.12%
[VV [C VV]]	5	0.12%
[VV [NN V]]	5	0.12%
[WW [L [A X]]]	5	0.12%
[[[A NN] K][V [A NNN]]]	4	0.10%
[[[I X] NN][V VV]]	4	0.10%
[[[N Q] NN][V [A V]]]	4	0.10%
[[[N Q] NN][V GG]]	4	0.10%
[[[N Q] NN][VV N]]	4	0.10%
[[[V E] NN][V NN]]	4	0.10%
[[AA X][V E]]	4	0.10%
[[B T] V]	4	0.10%
[[I [P NN]][V NN]]	4	0.10%
[[I [V NN]][I [A [V NN]]]]	4	0.10%
[[N K] VV]	4	0.10%
[[N NN][V E]]	4	0.10%
[[N V][N V]]	4	0.10%
[[NN [B V]][NN V]]	4	0.10%
[[NN NN] NNN]	4	0.10%
[[NN VV][L NN]]	4	0.10%
[[NN X] N]	4	0.10%
[[V [P NN]][V NN]]	4	0.10%
[[V X] V]	4	0.10%
[[VV [[N Q] NN]][V [P [N K]]]]	4	0.10%
[[VV NN][A VV]]	4	0.10%
[[VV NN][NN V]]	4	0.10%
[[VV NN][V [V N]]]	4	0.10%
[[VV VV VV] NNN]	4	0.10%
[[VV X] NN]	4	0.10%
[[WW VV][V NN]]	4	0.10%
[A [V N]]	4	0.10%
[AA [V NN]]	4	0.10%
[B [A V]]	4	0.10%
[I [B V]]	4	0.10%
[I [L [[I X] NN]]]	4	0.10%

[L VV]	4	0.10%
[N V]	4	0.10%
[NN [[T L][V NN]]]	4	0.10%
[NN [[V G] A]]	4	0.10%
[NN [V E]]	4	0.10%
[NN [VV [A NN]]]	4	0.10%
[NN [VV E]]	4	0.10%
[NN [VV N]]	4	0.10%
[NN E]	4	0.10%
[NN NN NN]	4	0.10%
[T VV]	4	0.10%
[V [P [A NN]]]	4	0.10%
[V [P [NN N]]]	4	0.10%
[V GG]	4	0.10%
[VV [[I X][A NN]]]	4	0.10%
[VV [NN K]]	4	0.10%
[VV A]	4	0.10%
[VV]	4	0.10%
[[[[V E] NN] X][L NN]]	3	0.07%
[[[AA X] N] E]	3	0.07%
[[[AA X] NN][V NN]]	3	0.07%
[[[B V][B V]][[A V] E]]	3	0.07%
[[[N Q] NN][AA V]]	3	0.07%
[[[N Q] NN][V AA]]	3	0.07%
[[[V E] NN][[V E] N]]	3	0.07%
[[A NN][[V E] V]]	3	0.07%
[[A NN][V NN]]	3	0.07%
[[A V] NN]	3	0.07%
[[AA VV][V NN]]	3	0.07%
[[I [T VV]] E]	3	0.07%
[[I X] NN]	3	0.07%
[[N K][V [Q N]]]	3	0.07%
[[N NN] N]	3	0.07%
[[N NN][V [[N Q][AA N]]]]	3	0.07%
[[NN [N K]][V NN]]	3	0.07%
[[NN [V E]][A VV]]	3	0.07%

[[NN [V E]][NN V]]	3	0.07%
[[NN [V E]][V AA]]	3	0.07%
[[NN [V I]][A NN]]	3	0.07%
[[NN N] VV]	3	0.07%
[[NN NN][NN N]]	3	0.07%
[[NN NN][V [A V]]]	3	0.07%
[[NN NN][V VV]]	3	0.07%
[[NN VV][A VV]]	3	0.07%
[[NN VV][VV N]]	3	0.07%
[[V [Q NN]] VV]	3	0.07%
[[V [Q NN]][[V E] V]]	3	0.07%
[[V [Q NN]][A VV]]	3	0.07%
[[V A] E]	3	0.07%
[[V E][[N Q][A NN]]]	3	0.07%
[[V E][V E]]	3	0.07%
[[V I][V NN]]	3	0.07%
[[V N][V NN]]	3	0.07%
[[V NN][V NN]]	3	0.07%
[[VV NN] E]	3	0.07%
[[VV NN][A NN]]	3	0.07%
[[VV NN][V [Q N]]]	3	0.07%
[[VV NN][V AA]]	3	0.07%
[[VV NN][VV N]]	3	0.07%
[[WW VV][L NN]]	3	0.07%
[[WW VV][NN V]]	3	0.07%
[[WW VV][VV N]]	3	0.07%
[AA VV]	3	0.07%
[B NN]	3	0.07%
[B VV]	3	0.07%
[C NN]	3	0.07%
[I [[P NN][V [B V]]]]	3	0.07%
[I [L NN]]	3	0.07%
[I [N Q]]	3	0.07%
[I [V [[N Q] NNN]]]	3	0.07%
[I [V I]]	3	0.07%
[I [V NN]]	3	0.07%

[I NN]	3	0.07%
[II [[A L][A NN]]]	3	0.07%
[N [L [A NN]]]	3	0.07%
[N [VV NN]]	3	0.07%
[NN [[N Q] N]]	3	0.07%
[NN [[V E] V]]	3	0.07%
[NN [[V I][A NN]]]	3	0.07%
[NN [[V N][V NN]]]	3	0.07%
[NN [T [V N]]]	3	0.07%
[NN [T VV]]	3	0.07%
[NN [V [B A]]]	3	0.07%
[NN [V [B V]]]	3	0.07%
[NN [V [C V]]]	3	0.07%
[NN [V [Q [A NN]]]]	3	0.07%
[NN [V GG]]	3	0.07%
[NN [VV [N NN]]]	3	0.07%
[NNN [G [V [Q N]]]]	3	0.07%
[T [V NN]]	3	0.07%
[V [C V]]	3	0.07%
[V [P [[N Q][A NN]]]]	3	0.07%
[V [P [NN K]]]	3	0.07%
[V [Q [A NN]]]	3	0.07%
[V [Q NN]]	3	0.07%
[V V V V V]	3	0.07%
[V WW]	3	0.07%
[VV [[N K] X] N]]	3	0.07%
[VV [[N Q][AA N]]]	3	0.07%
[VV [NN [C NN]]]	3	0.07%
[VV [NN N]]	3	0.07%
[VVVV [V NN]]	3	0.07%
[[[[NN VV] X] NN][L [A X]]]	2	0.05%
[[[A NN] NN][L [A NN]]]	2	0.05%
[[[A V] NN][VV N]]	2	0.05%
[[[AA X] NN][A VV]]	2	0.05%
[[[I N] NN][L [V NN]]]	2	0.05%
[[[I X] NN][V [Q N]]]	2	0.05%

[[[N K] X] NN]	2	0.05%
[[[N N N] E][N N N]]	2	0.05%
[[[N Q] NN][[B V] N]]	2	0.05%
[[[N Q] NN][A VV]]	2	0.05%
[[[N Q] NN][B [V N]]]	2	0.05%
[[[N Q] NN][VV V]]	2	0.05%
[[[N Q] V][[N Q] V]]	2	0.05%
[[[NN N] K][V NN]]	2	0.05%
[[[P I] VV][V NN]]	2	0.05%
[[[V E][V E]][V [B V]]]	2	0.05%
[[[V G] NN][NN V]]	2	0.05%
[[[V N][V N]][A VV]]	2	0.05%
[[[V N][V N]][NN V]]	2	0.05%
[[[V N][V N]][V V V]]	2	0.05%
[[[V N][V N]][VV N]]	2	0.05%
[[[VV N] G][NN V]]	2	0.05%
[[A [B VV]][VV N]]	2	0.05%
[[A [V NN]][VV N]]	2	0.05%
[[A L] NN]	2	0.05%
[[A L][V NN]]	2	0.05%
[[A N] VV]	2	0.05%
[[A N][V Q]]	2	0.05%
[[A NN] K]	2	0.05%
[[A NN] VV]	2	0.05%
[[A NN][B VV]]	2	0.05%
[[A NN][V G]]	2	0.05%
[[A V][[N Q][A NN]]]	2	0.05%
[[A V][A V]]	2	0.05%
[[A V][A VV]]	2	0.05%
[[A V][V [P [N NN]]]]	2	0.05%
[[A X] N]	2	0.05%
[[AA N][V [AA N]]]	2	0.05%
[[AA NN][NN V]]	2	0.05%
[[AA NN][T VV]]	2	0.05%
[[AA NN][V AA]]	2	0.05%
[[AA NN][V NN]]	2	0.05%

[[AA V] E]	2	0.05%
[[AA X] V]	2	0.05%
[[B V] N]	2	0.05%
[[B V] VV]	2	0.05%
[[B V][[I X] N]]	2	0.05%
[[B V][I [[P NN] V]]]	2	0.05%
[[B V][NN V]]	2	0.05%
[[B VV] V]	2	0.05%
[[I [L [N E]]][I [L N]]]	2	0.05%
[[I [V [I N]]][V NN]]	2	0.05%
[[I [V NN]][V [A V]]]	2	0.05%
[[I V][VV [B VV]]]	2	0.05%
[[I X][A NN]]	2	0.05%
[[N E] N]	2	0.05%
[[N K][[N Q][A [A N]]]]	2	0.05%
[[N K][V [[N Q][AA N]]]]	2	0.05%
[[N K][V [Q [A NN]]]]	2	0.05%
[[N K][V NN]]	2	0.05%
[[N N N N][V [A V]]]	2	0.05%
[[N NN] VV]	2	0.05%
[[N NN][T V]]	2	0.05%
[[N NN][V [A V]]]	2	0.05%
[[N NN][V NN]]	2	0.05%
[[N NN][VV E]]	2	0.05%
[[N Q] NN][V [P [NN K]]]]	2	0.05%
[[N Q][A [A N]]]	2	0.05%
[[N Q][L N]]	2	0.05%
[[N Q][L NN]]	2	0.05%
[[N Q][NN V]]	2	0.05%
[[N Q][V GG]]	2	0.05%
[[N Q][V N]]	2	0.05%
[[N V][C [N V]]]	2	0.05%
[[N V][V NN]]	2	0.05%
[[NN [[V A] E]] WW]	2	0.05%
[[NN [N Q]][A NN]]	2	0.05%
[[NN [N Q]][VV N]]	2	0.05%

[[NN [V E]][AA V]]	2	0.05%
[[NN [V E]][I [[P I] V]]]	2	0.05%
[[NN [V I]][V NN]]	2	0.05%
[[NN [V N]][AA V]]	2	0.05%
[[NN AA][V NN]]	2	0.05%
[[NN N] E]	2	0.05%
[[NN N][A V]]	2	0.05%
[[NN NN][[N K][V E]]]	2	0.05%
[[NN NN][[V E] V]]	2	0.05%
[[NN NN][[V N] V]]	2	0.05%
[[NN NN][L NN]]	2	0.05%
[[NN NN][V [A N]]]	2	0.05%
[[NN NN][V V V]]	2	0.05%
[[NN VV][I [V N]]]	2	0.05%
[[NN VV][V VV]]	2	0.05%
[[P I][VV N]]	2	0.05%
[[V [P [N K]]][AA V]]	2	0.05%
[[V [Q NN]][V NN]]	2	0.05%
[[V E][[N Q] N]]	2	0.05%
[[V E][[N Q] NNN]]	2	0.05%
[[V E][[N Q][NN N]]]	2	0.05%
[[V E][A N]]	2	0.05%
[[V E][A NN]]	2	0.05%
[[V E][NN [C NN]]]	2	0.05%
[[V I] VV]	2	0.05%
[[V N] N]	2	0.05%
[[V W][[V G] A]]	2	0.05%
[[V W][[V G] V]]	2	0.05%
[[V X][WW N]]	2	0.05%
[[VV [[I X] NN]] G]	2	0.05%
[[VV [N K]][V NN]]	2	0.05%
[[VV [N Q]][[A V][N Q]]]	2	0.05%
[[VV E] NN]	2	0.05%
[[VV E] V]	2	0.05%
[[VV NN][[N K] V]]	2	0.05%
[[VV NN][A [V N]]]	2	0.05%

[[VV V] N]	2	0.05%
[[VV VV VV][A NN]]	2	0.05%
[[VV VV VV][NN V]]	2	0.05%
[[VV VV][A VV]]	2	0.05%
[[VV VV][NN V]]	2	0.05%
[[VV VV][V NN]]	2	0.05%
[[W [A VV]][A VV]]	2	0.05%
[A [[P NN][V GG]]]	2	0.05%
[A [V [NN V]]]	2	0.05%
[A [V I]]	2	0.05%
[A AA]	2	0.05%
[A NNN]	2	0.05%
[AA [A V]]	2	0.05%
[AA [AA V]]	2	0.05%
[AA [L [Q NNN]]]	2	0.05%
[AA [V [P [NN K]]]]	2	0.05%
[AA NNN]	2	0.05%
[AA X]	2	0.05%
[AA]	2	0.05%
[I [[P NN][V NN]]]	2	0.05%
[I [A [V [A V]]]]	2	0.05%
[I [L [[N Q] NNN]]]	2	0.05%
[I [L [V NN]]]	2	0.05%
[I [L N]]	2	0.05%
[I [L NNN]]	2	0.05%
[I [T [NN [VV E]]]]	2	0.05%
[I [T V]]	2	0.05%
[I [V [[N Q] N]]]	2	0.05%
[I [V [N [A N]]]]	2	0.05%
[II [[P NN] V]]	2	0.05%
[II [VV N]]	2	0.05%
[N [A N]]	2	0.05%
[N [L [AA N]]]	2	0.05%
[N [V [AA N]]]	2	0.05%
[N [V [NN N]]]	2	0.05%
[N [V E]]	2	0.05%

[N N N N N N N N]	2	0.05%
[N N N N]	2	0.05%
[NN [[V E] NN] V]]	2	0.05%
[NN [[A L][V NN]]]	2	0.05%
[NN [[N K] V]]	2	0.05%
[NN [[P I][V N]]]	2	0.05%
[NN [[V E][[I X] N]]]	2	0.05%
[NN [[V E][[N Q] N]]]	2	0.05%
[NN [[V E][AA N]]]	2	0.05%
[NN [[V E][N NN]]]	2	0.05%
[NN [[V E][V E]]]	2	0.05%
[NN [[V G][NN V]]]	2	0.05%
[NN [[V I][AA V]]]	2	0.05%
[NN [[V I][V [V N]]]]	2	0.05%
[NN [[V I][V NN]]]	2	0.05%
[NN [[V N] V]]	2	0.05%
[NN [A [B V]]]	2	0.05%
[NN [AA [V NN]]]	2	0.05%
[NN [AA [V VV]]]	2	0.05%
[NN [B VV]]	2	0.05%
[NN [L [[N K] X] NN]]]	2	0.05%
[NN [N Q][N Q]]	2	0.05%
[NN [NN [V [B V]]]]	2	0.05%
[NN [T [A V]]]	2	0.05%
[NN [T V]]	2	0.05%
[NN [V [A N]]]	2	0.05%
[NN [V [P [N NN]]]]	2	0.05%
[NN [V [P [NN K]]]]	2	0.05%
[NN [VV [[N Q] N]]]	2	0.05%
[NN [VV [C VV]]]	2	0.05%
[NN A]	2	0.05%
[NNN [V NN]]	2	0.05%
[NNN NN]	2	0.05%
[NNNN [V GG]]	2	0.05%
[NNNN [VV N]]	2	0.05%
[NNNNN]	2	0.05%

[V [P NN]]	2	0.05%
[V [V I]]	2	0.05%
[V [V NN]]	2	0.05%
[V [WW N]]	2	0.05%
[V E]	2	0.05%
[VV [[N Q] N]]	2	0.05%
[VV [A V]]	2	0.05%
[VV [AA [T VV]]]	2	0.05%
[VV [B V]]	2	0.05%
[VV [N NN]]	2	0.05%
[VV [NN NN]]	2	0.05%
[VV [V NN]]	2	0.05%
[VVVV [V VV]]	2	0.05%
[WW [L NN]]	2	0.05%
[[[[[N K] V] X] NN][L [A X]]]	1	0.02%
[[[[A A] BB] NN][[N K] V]]	1	0.02%
[[[[N K] X] NN][V [C V]]]	1	0.02%
[[[[N Q] N] E][[V E] N]]	1	0.02%
[[[[N Q] N] X] NN]	1	0.02%
[[[[NN K] X] NN][L [A X]]]	1	0.02%
[[[[NN N] E][NN N]][A VV]]	1	0.02%
[[[[NN N] E][NN N]][AA V]]	1	0.02%
[[[[V G] V] X][[V I] V]]	1	0.02%
[[[[V V] X] NN][[B L] I]]	1	0.02%
[[[A E][A E]][A NN]]	1	0.02%
[[[A L] NN][V [A N]]]	1	0.02%
[[[A N] NN][[V N] G]]	1	0.02%
[[[A N] NN][V VV]]	1	0.02%
[[[A N] NN][VV N]]	1	0.02%
[[[A N][A N]][[B V] N]]	1	0.02%
[[[A N][B V]][AA V]]	1	0.02%
[[[A N][N K]][N [V N]]]	1	0.02%
[[[A N][V N]] NNN]	1	0.02%
[[[A NN] E][AA VV]]	1	0.02%
[[[A NN] E][NN V]]	1	0.02%
[[[A V] NN] NNN]	1	0.02%

[[[A V] NN][[A V] N]]	1	0.02%
[[[A V] NN][A VV]]	1	0.02%
[[[A V] NN][V [B V]]]	1	0.02%
[[[A V][[W Q] NN]] V]	1	0.02%
[[[A V][A V]][A NN]]	1	0.02%
[[[A V][A V]][A VV]]	1	0.02%
[[[A V][A V]][B [V A]]]	1	0.02%
[[[A V][A V]][L AA]]	1	0.02%
[[[A V][A V]][V NN]]	1	0.02%
[[[A V][I N]][V [V N]]]	1	0.02%
[[[A V][N Q]][[B V] N]]	1	0.02%
[[[A V][N Q]][B VV]]	1	0.02%
[[[A V][N Q]][BB V]]	1	0.02%
[[[AA X] NN][[V N] V]]	1	0.02%
[[[AA X] NN][V [P II]]]	1	0.02%
[[[AA X] NN][V V V]]	1	0.02%
[[[B L] NN][V NN]]	1	0.02%
[[[B N][B N]][V AA]]	1	0.02%
[[[B N][V V]] WWW]	1	0.02%
[[[B P] N] V]	1	0.02%
[[[B T] VV][[A T] V]]	1	0.02%
[[[B T][A V]][NN [[P [N K]] V]]]	1	0.02%
[[[B V] I] VV]	1	0.02%
[[[B V] NN][L WW]]	1	0.02%
[[[B V] NN][V NN]]	1	0.02%
[[[B V] NN][VV I]]	1	0.02%
[[[B V] VV][[A V] V]]	1	0.02%
[[[B V][B V]][AA V]]	1	0.02%
[[[B VV] G][B VV]]	1	0.02%
[[[BB [A V]] NN][[N K] V]]	1	0.02%
[[[D Q] N][[P WW] V]]	1	0.02%
[[[I [V N]] G][I [V N]]]	1	0.02%
[[[I N] NN][T [V NN]]]	1	0.02%
[[[I V][I V]][I [V V V]]]	1	0.02%
[[[I X] NN][[A A] V]]	1	0.02%
[[[I X] NN][A VV]]	1	0.02%

[[[I X] NN][L NN]]	1	0.02%
[[[I X] NN][L WW]]	1	0.02%
[[[I X] NN][V GG]]	1	0.02%
[[[I X] NN][V V V]]	1	0.02%
[[[I X][A N]][[B V] E]]	1	0.02%
[[[II V] X] N]	1	0.02%
[[[II X] NN][A [[V NN] V]]]	1	0.02%
[[[II X] NN][AA V]]	1	0.02%
[[[N K] NN][NN V]]	1	0.02%
[[[N K] NN][VV N]]	1	0.02%
[[[N K] X][A N]]	1	0.02%
[[[N N][N N]][T VV]]	1	0.02%
[[[N Q] N] VV]	1	0.02%
[[[N Q] N][[N Q] N]]	1	0.02%
[[[N Q] N][[VV N] G]]	1	0.02%
[[[N Q] N][A [B VV]]]	1	0.02%
[[[N Q] NN] VV]	1	0.02%
[[[N Q] NN][[A N] V]]	1	0.02%
[[[N Q] NN][[B V] V]]	1	0.02%
[[[N Q] NN][[NN Q] N]]	1	0.02%
[[[N Q] NN][[V E] N]]	1	0.02%
[[[N Q] NN][[V N] V]]	1	0.02%
[[[N Q] NN][A [V N]]]	1	0.02%
[[[N Q] NN][B VV]]	1	0.02%
[[[N Q] NN][C NN]]	1	0.02%
[[[N Q] NN][L [N Q]]]	1	0.02%
[[[N Q] NN][L [V N]]]	1	0.02%
[[[N Q] NN][L AA]]	1	0.02%
[[[N Q] NN][N VV]]	1	0.02%
[[[N Q] NN][V [N Q]]]	1	0.02%
[[[N Q] NN][V [P [N K]]]]	1	0.02%
[[[N Q] NN][VV A]]	1	0.02%
[[[N Q] NN][VV I]]	1	0.02%
[[[N Q] VV][[AA A] N]]	1	0.02%
[[[N Q] VV][[V E][[I X] N]]]	1	0.02%
[[[N Q] VV][[VV E] N]]	1	0.02%

[[[N Q][A N]][AA V]]	1	0.02%
[[[N Q][A N]][L [V N]]]	1	0.02%
[[[N Q][A N]][N [V N]]]	1	0.02%
[[[N Q][A N]][V [A V]]]	1	0.02%
[[[N Q][A N]][V [N V]]]	1	0.02%
[[[N Q][A N]][V AA]]	1	0.02%
[[[N Q][A N]][V V V]]	1	0.02%
[[[N Q][A N]][V VV]]	1	0.02%
[[[N Q][A N]][VV N]]	1	0.02%
[[[N Q][N Q]][[N Q][N Q]]]	1	0.02%
[[[N Q][N Q]][AA V]]	1	0.02%
[[[N Q][V N]][V NN]]	1	0.02%
[[[N V] X] NN]	1	0.02%
[[[N V][N V]][A VV]]	1	0.02%
[[[N V][N V]][B VV]]	1	0.02%
[[[N V][N V]][N [V N]]]	1	0.02%
[[[N V][N V]][N NN]]	1	0.02%
[[[N V][N V]][V AA]]	1	0.02%
[[[NN N] K][A VV]]	1	0.02%
[[[NN N] K][NN V]]	1	0.02%
[[[NN V] X] NN][L [A X]]]	1	0.02%
[[[NN X] N] VV]	1	0.02%
[[[NN X] N][A VV]]	1	0.02%
[[[NN X] N][L NN]]	1	0.02%
[[[NN X] NN] VV]	1	0.02%
[[[NN X] NN][[B V] E]]	1	0.02%
[[[NN X] NN][[V G] V]]	1	0.02%
[[[NN X] NN][A VV]]	1	0.02%
[[[NN X] NN][AA V]]	1	0.02%
[[[NN X] NN][VV E]]	1	0.02%
[[[NN X][N N]][[P N] V]]	1	0.02%
[[[NNN X][N K]][V [Q [A NN]]]]	1	0.02%
[[[T V][T V]][A VV]]	1	0.02%
[[[V [B V]] X][[A V] V]]	1	0.02%
[[[V [N Q]] E][V [N Q]]]	1	0.02%
[[[V AA] E] WW]	1	0.02%

[[[V E] II][B NN]]	1	0.02%
[[[V E] NN] V]	1	0.02%
[[[V E] NN][[B V] NN]]	1	0.02%
[[[V E] NN][[B V] V]]	1	0.02%
[[[V E] NN][[N K] V]]	1	0.02%
[[[V E] NN][A [V N]]]	1	0.02%
[[[V E] NN][A VV]]	1	0.02%
[[[V E] NN][B VV]]	1	0.02%
[[[V E] NN][N [A N]]]	1	0.02%
[[[V E] NN][NN V]]	1	0.02%
[[[V E] NN][V [N NN]]	1	0.02%
[[[V E] NN][V [N Q]]]	1	0.02%
[[[V E] NN][VV G]]	1	0.02%
[[[V E] VV][B VV]]	1	0.02%
[[[V E][A N]][[P N] V]]	1	0.02%
[[[V E][V E]][V [N Q]]]	1	0.02%
[[[V E][V E]][V AA]]	1	0.02%
[[[V E][V E]][V WW]]	1	0.02%
[[[V E][V E]][VV N]]	1	0.02%
[[[V G] NN][[P N] V]]	1	0.02%
[[[V G] NN][V AA]]	1	0.02%
[[[V G] VV][V [C V]]]	1	0.02%
[[[V GG][V GG]][V [N Q]]]	1	0.02%
[[[V I] VV][I [A [V GG]]]]	1	0.02%
[[[V I] VV][L WW]]	1	0.02%
[[[V I][V N]][NN V]]	1	0.02%
[[[V N] VV][AA V]]	1	0.02%
[[[V N] VV][V AA]]	1	0.02%
[[[V N][A V]][AA V]]	1	0.02%
[[[V N][L N]] E]	1	0.02%
[[[V N][V N]][[A V] N]]	1	0.02%
[[[V N][V N]][AA V]]	1	0.02%
[[[V N][V N]][I [A V]]]	1	0.02%
[[[V N][V N]][V [B V]]]	1	0.02%
[[[V N][V N]][V [V N]]]	1	0.02%
[[[V N][V N]][V NN]]	1	0.02%

[[[V VV] X][A NN]]	1	0.02%
[[[VV N] G][[B V] V]]	1	0.02%
[[[VV N] G][[N V][N V]]]	1	0.02%
[[[VV N] G][[P N] V]]	1	0.02%
[[[VV N] G][V [Q [A NN]]]]	1	0.02%
[[[VV N] G][V [Q N]]]	1	0.02%
[[[VV N] N][VV N]]	1	0.02%
[[A [B V]][VV [N NN]]]	1	0.02%
[[A [B VV]][V [A N]]]	1	0.02%
[[A [NN N]][V NN]]	1	0.02%
[[A [V NN]][A [V N]]]	1	0.02%
[[A E] V]	1	0.02%
[[A L] I]	1	0.02%
[[A L] VV]	1	0.02%
[[A L] VVV]	1	0.02%
[[A L][[A NN][V [A N]]]]	1	0.02%
[[A L][[NN X][A NN]]]	1	0.02%
[[A L][[NNN Q][N NN]]]	1	0.02%
[[A L][A NN]]	1	0.02%
[[A L][NN [V V V]]]	1	0.02%
[[A N] N]	1	0.02%
[[A N][[[V E][A N]] V]]	1	0.02%
[[A N][[A L][A NN]]]	1	0.02%
[[A N][[P NN][[V E] G]]]	1	0.02%
[[A N][[V E][NN N]]]	1	0.02%
[[A N][[VV E] NN]]	1	0.02%
[[A N][A NN]]	1	0.02%
[[A N][A VV]]	1	0.02%
[[A N][NN V]]	1	0.02%
[[A N][V [Q [A [A N]]]]]	1	0.02%
[[A N][V [Q [A NN]]]]	1	0.02%
[[A NN][[[V E] NN][AA V]]]	1	0.02%
[[A NN][[A V] N]]	1	0.02%
[[A NN][[V N][V NN]]]	1	0.02%
[[A NN][[V X][N VV]]]	1	0.02%
[[A NN][AA VV]]	1	0.02%

[[A NN][I [B V]]]	1	0.02%
[[A NN][NN V]]	1	0.02%
[[A NN][T [V [A NN]]]]	1	0.02%
[[A NN][T VV]]	1	0.02%
[[A NN][V [A N]]]	1	0.02%
[[A NN][V [P [NN K]]]]	1	0.02%
[[A NN][V E]]	1	0.02%
[[A NN][V V V]]	1	0.02%
[[A NN][V VV]]	1	0.02%
[[A T] V]	1	0.02%
[[A T][[V N] V]]	1	0.02%
[[A V] NNN]	1	0.02%
[[A V][[[N K] X] NN]]	1	0.02%
[[A V][[N Q] NNN]]	1	0.02%
[[A V][[N Q][NN N]]]	1	0.02%
[[A V][[V E] NNN]]	1	0.02%
[[A V][[V G] V]]	1	0.02%
[[A V][A [A V]]]	1	0.02%
[[A V][A [V [N NN]]]]	1	0.02%
[[A V][A [V N]]]	1	0.02%
[[A V][A NN]]	1	0.02%
[[A V][AA [A NN]]]	1	0.02%
[[A V][B VV]]	1	0.02%
[[A V][I [[P [N K]] V]]]	1	0.02%
[[A V][I [L [A NN]]]]	1	0.02%
[[A V][NN [B VV]]]	1	0.02%
[[A V][NN [T VV]]]	1	0.02%
[[A V][NN [V [N Q]]]]	1	0.02%
[[A V][V [D [A NN]]]]	1	0.02%
[[A V][V NN]]	1	0.02%
[[A V][VV [A NN]]]	1	0.02%
[[A VV][A VV]]	1	0.02%
[[A VV][V [N NN]]]	1	0.02%
[[A X] V]	1	0.02%
[[AA [A [A V]]] E]	1	0.02%
[[AA [V I]][VV E]]	1	0.02%

[[AA [V N]][B [V N]]]	1	0.02%
[[AA A] NN]	1	0.02%
[[AA NN] V]	1	0.02%
[[AA NN][[A L] I]]	1	0.02%
[[AA NN][[A N] V]]	1	0.02%
[[AA NN][[A T] V]]	1	0.02%
[[AA NN][[B V] N]]	1	0.02%
[[AA NN][[V E] V]]	1	0.02%
[[AA NN][[V G] A]]	1	0.02%
[[AA NN][A VV]]	1	0.02%
[[AA NN][AA V]]	1	0.02%
[[AA NN][C NN]]	1	0.02%
[[AA NN][N NN]]	1	0.02%
[[AA NN][V [A V]]]	1	0.02%
[[AA NN][V [B A]]]	1	0.02%
[[AA NN][VV E]]	1	0.02%
[[AA NN][VV V]]	1	0.02%
[[AA V][A [V [B V]]]]	1	0.02%
[[AA VV] E]	1	0.02%
[[AA VV][I VV]]	1	0.02%
[[AA VV][L NN]]	1	0.02%
[[AA VV][NN V]]	1	0.02%
[[AA X][A NN]]	1	0.02%
[[B [A V]][I [T [V NN]]]]	1	0.02%
[[B L] NNN]	1	0.02%
[[B T][[V N][C [V N]]]]	1	0.02%
[[B T][VV N]]	1	0.02%
[[B T][VV NN]]	1	0.02%
[[B V] E]	1	0.02%
[[B V] N][C [[B V] N]]]	1	0.02%
[[B V] NN]	1	0.02%
[[B V] NNN]	1	0.02%
[[B V][[P N][V NN]]]	1	0.02%
[[B V][[V E][WW N]]]	1	0.02%
[[B V][A NN]]	1	0.02%
[[B V][B V][[B T] V]]	1	0.02%

[[B V][L [[NNN Q][A NN]]]]	1	0.02%
[[B V][N VV]]	1	0.02%
[[B V][NN [V [B V]]]]	1	0.02%
[[B V][T [V W]]]	1	0.02%
[[B V][V N]]	1	0.02%
[[B V][VV NNN]]	1	0.02%
[[B V][WW N]]	1	0.02%
[[B VV][[VV E] N]]	1	0.02%
[[B VV][L [[A NN][V [A N]]]]]	1	0.02%
[[B VV][L [V N]]]	1	0.02%
[[B VV][VV E]]	1	0.02%
[[BB [Q NN]][V GG]]	1	0.02%
[[BB VV][NN V]]	1	0.02%
[[I [[B V] E]][I [B V]]]	1	0.02%
[[I [A V]][I [A V]]]	1	0.02%
[[I [AA [V [P NN]]]][[AA X] V]]	1	0.02%
[[I [C NN]][V NN]]	1	0.02%
[[I [L [Q NN]]][V [C V]]]	1	0.02%
[[I [L NN]][[P N] V]]	1	0.02%
[[I [T [[V NN] VV]]] E]	1	0.02%
[[I [T [B V]]][[V E] V]]	1	0.02%
[[I [T V]][A VV]]	1	0.02%
[[I [V [V N]]][[V I] V]]	1	0.02%
[[I [V NN]][I [A V]]]	1	0.02%
[[I [V NN]][NN V]]	1	0.02%
[[I [V NN]][V V V]]	1	0.02%
[[I [V VV]] E]	1	0.02%
[[I [V VV]][I [V N]]]	1	0.02%
[[I V] E]	1	0.02%
[[I V][I V]]	1	0.02%
[[I V][NN [V [N Q]]]]	1	0.02%
[[I VV] E]	1	0.02%
[[I VV][I VV]]	1	0.02%
[[I X][N N N]]	1	0.02%
[[II NN][A [V N]]]	1	0.02%
[[II V] II]	1	0.02%

[[L W][[P NN][[VV G][AA A]]]]	1	0.02%
[[N [A NN]][V [A V]]]	1	0.02%
[[N [A NN]][V [Q N]]]	1	0.02%
[[N [A V]] E]	1	0.02%
[[N [V [A N]]][C [V N]]]	1	0.02%
[[N [V N]][V VV]]	1	0.02%
[[N [V NN]][AA V]]	1	0.02%
[[N [V NN]][N N N]]	1	0.02%
[[N [V NN]][N VV]]	1	0.02%
[[N K][[NNN Q] NN]]	1	0.02%
[[N K][[V W][T [V I]]]]	1	0.02%
[[N K][A VV]]	1	0.02%
[[N K][AA V]]	1	0.02%
[[N K][NN [V NN]]]	1	0.02%
[[N K][NN N]]	1	0.02%
[[N K][V [Q [A [A N]]]]]	1	0.02%
[[N K][VV [[N Q] N]]]	1	0.02%
[[N K][VV [N [C N]]]]	1	0.02%
[[N N N N][N N N N]]	1	0.02%
[[N N N N][V GG]]	1	0.02%
[[N N N N][V NN]]	1	0.02%
[[N N N][[V E] N]]	1	0.02%
[[N N N][V NN]]	1	0.02%
[[N N][NN [G VV]]]	1	0.02%
[[N N][V [Q [A NN]]]]	1	0.02%
[[N N][V N]]	1	0.02%
[[N NN] NN]	1	0.02%
[[N NN][[N V][N V]]]	1	0.02%
[[N NN][[V N] G]]	1	0.02%
[[N NN][[V N][V N]]]	1	0.02%
[[N NN][N NN]]	1	0.02%
[[N NN][V [[N Q][A NN]]]]	1	0.02%
[[N NN][V [NN N]]]	1	0.02%
[[N NN][VV [V [A V]]]]	1	0.02%
[[N NN][VV N]]	1	0.02%
[[N Q] V]	1	0.02%

[[N Q][[V [P NN]] V]]	1	0.02%
[[N Q][B VV]]	1	0.02%
[[N Q][NN N]]	1	0.02%
[[N Q][V [P [N [N K]]]]]	1	0.02%
[[N Q][VV N]]	1	0.02%
[[N Q][VV NN]]	1	0.02%
[[N V][B [A V]]]	1	0.02%
[[NN [[N Q] N]][L [V N]]]	1	0.02%
[[NN [[N Q] N]][L VV]]	1	0.02%
[[NN [[V E] I]][AA VV]]	1	0.02%
[[NN [A A]][[A L] I]]	1	0.02%
[[NN [A A]][L NN]]	1	0.02%
[[NN [A V]][A [V N]]]	1	0.02%
[[NN [A V]][A VV]]	1	0.02%
[[NN [A V]][V NN]]	1	0.02%
[[NN [B N]][AA V]]	1	0.02%
[[NN [B V]][AA [[B A] V]]]	1	0.02%
[[NN [B V]][I VV]]	1	0.02%
[[NN [N Q]][NN [V NN]]]	1	0.02%
[[NN [P I]][[A L][AA V]]]	1	0.02%
[[NN [V A]][V NN]]	1	0.02%
[[NN [V E]][[B T] V]]	1	0.02%
[[NN [V E]][B VV]]	1	0.02%
[[NN [V E]][T VV]]	1	0.02%
[[NN [V E]][TT V]]	1	0.02%
[[NN [V E]][V [N Q]]]	1	0.02%
[[NN [V I]][[A V] V]]	1	0.02%
[[NN [V I]][V VV]]	1	0.02%
[[NN [V I]][VV N]]	1	0.02%
[[NN [V N]][[V N] V]]	1	0.02%
[[NN [V N]][N N N]]	1	0.02%
[[NN [V N]][NN V]]	1	0.02%
[[NN [V N]][V [V N]]]	1	0.02%
[[NN [VV NN]] E]	1	0.02%
[[NN K] VV]	1	0.02%
[[NN K][[VV E][[[N QQ] X][A NN]]]]	1	0.02%

[[NN K][NN [NN V]]]	1	0.02%
[[NN K][V [A N]]]	1	0.02%
[[NN K][V [V [Q N]]]]	1	0.02%
[[NN N] K]	1	0.02%
[[NN N][C [NN N]]]	1	0.02%
[[NN N][V [[N Q] N]]]	1	0.02%
[[NN N][V N]]	1	0.02%
[[NN NN] NN]	1	0.02%
[[NN NN][[A V] V]]	1	0.02%
[[NN NN][[B L] N]]	1	0.02%
[[NN NN][[B T] V]]	1	0.02%
[[NN NN][[N K] V]]	1	0.02%
[[NN NN][[N Q] N]]	1	0.02%
[[NN NN][[W N] V]]	1	0.02%
[[NN NN][[W Q] V]]	1	0.02%
[[NN NN][B [A V]]]	1	0.02%
[[NN NN][I [A V]]]	1	0.02%
[[NN NN][L [Q N]]]	1	0.02%
[[NN NN][L AA]]	1	0.02%
[[NN NN][L VV]]	1	0.02%
[[NN NN][L WW]]	1	0.02%
[[NN NN][N [V N]]]	1	0.02%
[[NN NN][N NN]]	1	0.02%
[[NN NN][NN NN]]	1	0.02%
[[NN NN][V [B V]]]	1	0.02%
[[NN NN][V [I [[N Q] N]]]]	1	0.02%
[[NN NN][V [N N]]]	1	0.02%
[[NN NN][V [N Q]]]	1	0.02%
[[NN NN][V E]]	1	0.02%
[[NN NN][V GG]]	1	0.02%
[[NN NN][VV A]]	1	0.02%
[[NN NN][VV E]]	1	0.02%
[[NN NN][VV G]]	1	0.02%
[[NN NNN][A V]]	1	0.02%
[[NN Q][[A A] N]]	1	0.02%
[[NN V][I V]]	1	0.02%

[[NN V][NN V]]	1	0.02%
[[NN VV][[[V E] NN][V NN]]]	1	0.02%
[[NN VV][[B V] V]]	1	0.02%
[[NN VV][[N K] V]]	1	0.02%
[[NN VV][[V E] N]]	1	0.02%
[[NN VV][[V N] V]]	1	0.02%
[[NN VV][[V NN] E]]	1	0.02%
[[NN VV][AA V]]	1	0.02%
[[NN VV][B VV]]	1	0.02%
[[NN VV][I [V E]]]	1	0.02%
[[NN VV][L [Q N]]]	1	0.02%
[[NN VV][NN NN]]	1	0.02%
[[NN VV][QQ N]]	1	0.02%
[[NN VV][T VV]]	1	0.02%
[[NN VV][V [C V]]]	1	0.02%
[[NN VV][V AA]]	1	0.02%
[[NN VV][VV I]]	1	0.02%
[[NN VV][VV V]]	1	0.02%
[[NN X] NNN]	1	0.02%
[[NNN K][N [V N]]]	1	0.02%
[[NNN K][V NN]]	1	0.02%
[[NNN K][VV E]]	1	0.02%
[[NNN NN][AA [L VV]]]	1	0.02%
[[NNN NNN][V NN]]	1	0.02%
[[NNN Q] N]	1	0.02%
[[NNN Q][A NN]]	1	0.02%
[[P [D NN]] V]	1	0.02%
[[P [I [[N Q] NN]]][V NN]]	1	0.02%
[[P I] VV]	1	0.02%
[[P I][[VV [N K]] V]]	1	0.02%
[[P I][V [A V]]]	1	0.02%
[[P I][V [P [N K]]]	1	0.02%
[[P I][V AA]]	1	0.02%
[[P I][VV [[N K] N]]]	1	0.02%
[[P I][VV [NN N]]]	1	0.02%
[[P N] VV]	1	0.02%

[[P N][V [N N]]]	1	0.02%
[[P N][V GG]]	1	0.02%
[[P N][VV [C VV]]]	1	0.02%
[[P NN] VV]	1	0.02%
[[P NN][VV N]]	1	0.02%
[[V [[II X] N]][[V G] V]]	1	0.02%
[[V [B V]] NNN]	1	0.02%
[[V [C V]] E]	1	0.02%
[[V [L AA]][V NN]]	1	0.02%
[[V [L AA]][V VV]]	1	0.02%
[[V [N NN]][V NN]]	1	0.02%
[[V [P [N K]]][A VV]]	1	0.02%
[[V [P [N K]]][V NN]]	1	0.02%
[[V [P [NN K]]][V NN]]	1	0.02%
[[V [P NN]] V]	1	0.02%
[[V [P NN]][B [V N]]]	1	0.02%
[[V [P NN]][L NN]]	1	0.02%
[[V [P NN]][N [V N]]]	1	0.02%
[[V [P NN]][T VV]]	1	0.02%
[[V [P NN]][V [B V]]]	1	0.02%
[[V [P NN]][VV N]]	1	0.02%
[[V [Q NN]][[V G] A]]	1	0.02%
[[V [Q NN]][[VV E] N]]	1	0.02%
[[V [Q NN]][B NN]]	1	0.02%
[[V [Q NN]][G VV]]	1	0.02%
[[V [Q NN]][T [V N]]]	1	0.02%
[[V [Q NN]][V AA]]	1	0.02%
[[V [Q NN]][V GG]]	1	0.02%
[[V [Q NN]][VV [NN N]]]	1	0.02%
[[V [Q NN]][VV I]]	1	0.02%
[[V [V [I N]]][V [Q N]]]	1	0.02%
[[V [V [I N]]][V NN]]	1	0.02%
[[V [V NN]][V NN]]	1	0.02%
[[V A][T VV]]	1	0.02%
[[V E][[I X] NN]]	1	0.02%
[[V E][[N K][V [A V]]]]	1	0.02%

[[V E][[N Q] NN]]	1	0.02%
[[V E][[N Q][[N Q] N]]]	1	0.02%
[[V E][[N Q][A N]]]	1	0.02%
[[V E][[V I][V AA]]]	1	0.02%
[[V E][[V N][V NN]]]	1	0.02%
[[V E][N [A N]]]	1	0.02%
[[V E][N Q]]	1	0.02%
[[V E][NN [V NN]]]	1	0.02%
[[V E][Q [A N]]]	1	0.02%
[[V E][V E][V E]]	1	0.02%
[[V E][VV NN]]	1	0.02%
[[V G][[A N][V AA]]]	1	0.02%
[[V G][A NN]]	1	0.02%
[[V G][I [[N K][[A L] N]]]]	1	0.02%
[[V G][NN [V [C V]]]]	1	0.02%
[[V G][NN [V AA]]]	1	0.02%
[[V G][NN [V V V]]]	1	0.02%
[[V G][V [C V]]]	1	0.02%
[[V GG][V NN]]	1	0.02%
[[V GG][VV N]]	1	0.02%
[[V I][[N Q] N]]	1	0.02%
[[V I][[V N][B [V N]]]]	1	0.02%
[[V I][AA V]]	1	0.02%
[[V I][NN [N NN]]]	1	0.02%
[[V I][V [A V]]]	1	0.02%
[[V I][V [Q N]]]	1	0.02%
[[V I][V [V N]]]	1	0.02%
[[V I][V N]]	1	0.02%
[[V I][V WW]]	1	0.02%
[[V I][VV [A N]]]	1	0.02%
[[V I][VV [A NN]]]	1	0.02%
[[V I][VV N]]	1	0.02%
[[V I][WW [V NN]]]	1	0.02%
[[V II][AAAA [V NN]]]	1	0.02%
[[V L][[N Q][A NN]]]	1	0.02%
[[V N] G]	1	0.02%

[[V N] NN]	1	0.02%
[[V N][[B V] N]]	1	0.02%
[[V N][[B V][[N K] X] N]]]	1	0.02%
[[V N][[P I][V [P N]]]]	1	0.02%
[[V N][[V E] V]]	1	0.02%
[[V N][[V G][NN V]]]	1	0.02%
[[V N][[V N][C [V N]]]]	1	0.02%
[[V N][A [V N]]]	1	0.02%
[[V N][A VV]]	1	0.02%
[[V N][B [V N]]]	1	0.02%
[[V N][T VV]]	1	0.02%
[[V N][VV [V [I N]]]]	1	0.02%
[[V NN] E]	1	0.02%
[[V NN][[V E][V NN]]]	1	0.02%
[[V NN][V N]]	1	0.02%
[[V NNNN][V VV]]	1	0.02%
[[V V V V][NN V]]	1	0.02%
[[V V V V][V NN]]	1	0.02%
[[V V] N]	1	0.02%
[[V V][[N Q][A NN]]]	1	0.02%
[[V V][[NN X][A NN]]]	1	0.02%
[[V V][I [T [NN V]]]]	1	0.02%
[[V VV][[N Q] NN]]	1	0.02%
[[V VV][A A]]	1	0.02%
[[V W][[V X][A AA]]]	1	0.02%
[[V W][L [[I X][AA N]]]]	1	0.02%
[[V X] NN]	1	0.02%
[[V X][[NN NN] N]]	1	0.02%
[[V X][A [L I]]]	1	0.02%
[[V X][B VV]]	1	0.02%
[[V X][NN [V [C V]]]]	1	0.02%
[[V X][V NN]]	1	0.02%
[[VV [A N]][T VV]]	1	0.02%
[[VV [A N]][V [A N]]]	1	0.02%
[[VV [A NN]][L NN]]	1	0.02%
[[VV [B N]][V [P N]]]	1	0.02%

[[VV [B V]][AA V]]	1	0.02%
[[VV [N K]][V VV]]	1	0.02%
[[VV [N Q]][V [N Q]]]	1	0.02%
[[VV [N Q]][V VV]]	1	0.02%
[[VV [P N]][I VV]]	1	0.02%
[[VV [V V]][A VV]]	1	0.02%
[[VV E] E]	1	0.02%
[[VV E][[[T V] X] N]]	1	0.02%
[[VV E][[D Q] N]]	1	0.02%
[[VV E][[I X][A NN]]]	1	0.02%
[[VV E][[N Q] NN]]	1	0.02%
[[VV E][A NN]]	1	0.02%
[[VV E][NN K]]	1	0.02%
[[VV GG][V NN]]	1	0.02%
[[VV N] E]	1	0.02%
[[VV N][V [W [V NN]]]]	1	0.02%
[[VV N][VV N]]	1	0.02%
[[VV NN] VV]	1	0.02%
[[VV NN][[A V] N]]	1	0.02%
[[VV NN][[B V] E]]	1	0.02%
[[VV NN][[P N] V]]	1	0.02%
[[VV NN][[V [B V]] N]]	1	0.02%
[[VV NN][[V E] V]]	1	0.02%
[[VV NN][[V N] E]]	1	0.02%
[[VV NN][A [B V]]]	1	0.02%
[[VV NN][B [A V]]]	1	0.02%
[[VV NN][B VV]]	1	0.02%
[[VV NN][NN N]]	1	0.02%
[[VV NN][T VV]]	1	0.02%
[[VV NN][V [A N]]]	1	0.02%
[[VV NN][V [B V]]]	1	0.02%
[[VV NN][V [N Q]]]	1	0.02%
[[VV NN][V GG]]	1	0.02%
[[VV NN][VV G]]	1	0.02%
[[VV NNN][V [B V]]]	1	0.02%
[[VV V][V NN]]	1	0.02%

[[VV VV VV][V NN]]	1	0.02%
[[VV VV VV][VV N]]	1	0.02%
[[VV VV][[A T][V NN]]]	1	0.02%
[[VV VV][[N K] V]]	1	0.02%
[[VV VV][[P N] V]]	1	0.02%
[[VV VV][AA V]]	1	0.02%
[[VV VV][C VV]]	1	0.02%
[[VV VV][I NN]]	1	0.02%
[[VV VV][T VV]]	1	0.02%
[[VV VV][V [B V]]]	1	0.02%
[[VV VV][V [V N]]]	1	0.02%
[[VV VV][VV N]]	1	0.02%
[[VV VV]][NN V]]	1	0.02%
[[VV WW] E]	1	0.02%
[[VV X][N K]]	1	0.02%
[[W Q] N]	1	0.02%
[[WW [V E]][I [[P I] VV]]]	1	0.02%
[[WW [V N]] V]	1	0.02%
[[WW NN][V [B V]]]	1	0.02%
[[WW NN][V [V NNN]]]	1	0.02%
[[WW NN][V [VV I]]]	1	0.02%
[A [[P NN][V VV]]]	1	0.02%
[A [[V [N K]][AA V]]]	1	0.02%
[A [[V [N N]][V [A N]]]]	1	0.02%
[A [[V NN][V [A V]]]]	1	0.02%
[A [B [VV [[N Q][NN N]]]]]	1	0.02%
[A [C A]]	1	0.02%
[A [N Q]]	1	0.02%
[A [T V]]	1	0.02%
[A [T VV]]	1	0.02%
[A [V [[N Q][A NN]]]]	1	0.02%
[A [V [[P [N K]][V NN]]]]	1	0.02%
[A [V [V NN]]]	1	0.02%
[A [V A]]	1	0.02%
[A [V E]]	1	0.02%
[A [V GG]]	1	0.02%

[A [V NN]]	1	0.02%
[AA [[A V][[N Q] N]]]	1	0.02%
[AA [[B T][V NN]]]	1	0.02%
[AA [[B V] E]]	1	0.02%
[AA [[B V][NN N]]]	1	0.02%
[AA [[I NN][V AA]]]	1	0.02%
[AA [[I X][A NN]]]	1	0.02%
[AA [[N K][V [Q N]]]]	1	0.02%
[AA [[N Q][A NN]]]	1	0.02%
[AA [[NN Q] NN]]	1	0.02%
[AA [[V [I [N K]]][V [A V]]]]	1	0.02%
[AA [[V E] NNN]]	1	0.02%
[AA [A [N N]]]	1	0.02%
[AA [A [T V]]]	1	0.02%
[AA [A [V N]]]	1	0.02%
[AA [A NN]]	1	0.02%
[AA [A VV]]	1	0.02%
[AA [AA [[V N] V]]]	1	0.02%
[AA [AA [V [B V]]]]	1	0.02%
[AA [I [T [V [B V]]]]]	1	0.02%
[AA [I [V [AA N]]]]	1	0.02%
[AA [L [A N]]]	1	0.02%
[AA [L [Q NN]]]	1	0.02%
[AA [L I]]	1	0.02%
[AA [L NN]]	1	0.02%
[AA [N [V N]]]	1	0.02%
[AA [N NN]]	1	0.02%
[AA [NN [B VV]]]	1	0.02%
[AA [NN [V GG]]]	1	0.02%
[AA [V [[N Q][[A A] N]]]]	1	0.02%
[AA [V [A V]]]	1	0.02%
[AA [V [L [I NN]]]]	1	0.02%
[AA [V [L [NN K]]]]	1	0.02%
[AA [V [N N]]]	1	0.02%
[AA [V [W N]]]	1	0.02%
[AA [V I]]	1	0.02%

[AA [V N]]	1	0.02%
[AA [V VV]]	1	0.02%
[AA [VV [A N]]]	1	0.02%
[AA [VV I]]	1	0.02%
[AA [VV N]]	1	0.02%
[AA [VV V]]	1	0.02%
[AA AA]	1	0.02%
[AA L]	1	0.02%
[AAA VV]	1	0.02%
[B L]	1	0.02%
[BB [VV [C VV]]]	1	0.02%
[EE]	1	0.02%
[I [[N Q][A NN]]]	1	0.02%
[I [[P [[NN X] NN]][V [A V]]]]	1	0.02%
[I [[P N][V V]]]	1	0.02%
[I [[P NN] V]]	1	0.02%
[I [[P NN][[L N] V]]]	1	0.02%
[I [[P NN][[P N] V]]]	1	0.02%
[I [[P NN][A VV]]]	1	0.02%
[I [[P NN][L NN]]]	1	0.02%
[I [[P NN][NN V]]]	1	0.02%
[I [[P NN][V [Q N]]]]	1	0.02%
[I [[P NN][V [V N]]]]	1	0.02%
[I [[T V][P [[W N] N]]]]	1	0.02%
[I [[T V][P [NN K]]]]	1	0.02%
[I [[V NN][V GG]]]	1	0.02%
[I [[V NN][VV N]]]	1	0.02%
[I [[V V][[[N K] X] NN]]]	1	0.02%
[I [A [[A V][V [A V]]]]]	1	0.02%
[I [A [AA V]]]	1	0.02%
[I [AA [[[B V] NN] V]]]	1	0.02%
[I [AA [[V E][AA N]]]]	1	0.02%
[I [AA VV]]	1	0.02%
[I [B VV]]	1	0.02%
[I [L [[AA X] NN]]]	1	0.02%
[I [L [[I X][A NN]]]]	1	0.02%

[I [L [[N Q][A N]]]]	1	0.02%
[I [L [AA [A NN]]]]	1	0.02%
[I [L [AA NN]]]	1	0.02%
[I [L [V [N V]]]]	1	0.02%
[I [L VV]]	1	0.02%
[I [L W]]	1	0.02%
[I [NN [A NN]]]	1	0.02%
[I [NN [V E]]]	1	0.02%
[I [NN VV]]	1	0.02%
[I [T [V [[N Q][A NN]]]]]	1	0.02%
[I [T [V [Q [A NN]]]]]	1	0.02%
[I [T [V [VV I]]]]	1	0.02%
[I [T [V NNN]]]	1	0.02%
[I [T [VV I]]]	1	0.02%
[I [T VV]]	1	0.02%
[I [V [[P I][V [Q N]]]]]	1	0.02%
[I [V [[V I][V [A V]]]]]	1	0.02%
[I [V [AA [A NN]]]]	1	0.02%
[I [V [N NN]]]	1	0.02%
[I [V [NN [B NN]]]]	1	0.02%
[I [V [V [A V]]]]	1	0.02%
[I [V [V N]]]	1	0.02%
[I [V [V NN]]]	1	0.02%
[I [V [VV [[I X] N]]]]	1	0.02%
[I [V E]]	1	0.02%
[I NNN]	1	0.02%
[II [AA [T VV]]]	1	0.02%
[II [L [A NN]]]	1	0.02%
[II [V [B V]]]	1	0.02%
[II [VV VV]]	1	0.02%
[II NNN]	1	0.02%
[L [Q [[AA X][A NN]]]]	1	0.02%
[L WW]	1	0.02%
[N [A NN]]	1	0.02%
[N [A VV]]	1	0.02%
[N [B L]]	1	0.02%

[N [C N]]	1	0.02%
[N [L [[B V] V]]]	1	0.02%
[N [L [NN [V NN]]]]	1	0.02%
[N [L [NN V]]]	1	0.02%
[N [L [VV N]]]	1	0.02%
[N [L NNN]]	1	0.02%
[N [L WW]]	1	0.02%
[N [NN [V [A V]]]]	1	0.02%
[N [NN [V GG]]]	1	0.02%
[N [NN [V NN]]]	1	0.02%
[N [NN NN]]	1	0.02%
[N [T [V NN]]]	1	0.02%
[N [V [[N Q][A NN]]]]	1	0.02%
[N [V [V NN]]]	1	0.02%
[N [V GG]]	1	0.02%
[N N N N N N]	1	0.02%
[N NNN]	1	0.02%
[NN [[[B V] I] VV]]	1	0.02%
[NN [[[I X] N] E]]	1	0.02%
[NN [[[V E] I] VV]]	1	0.02%
[NN [[A A][V AA]]]	1	0.02%
[NN [[A L] NNN]]	1	0.02%
[NN [[A L][[I X] N]]]	1	0.02%
[NN [[A L][A NN]]]	1	0.02%
[NN [[A T][AA V]]]	1	0.02%
[NN [[A V] V]]	1	0.02%
[NN [[A V][A VV]]]	1	0.02%
[NN [[A V][AA V]]]	1	0.02%
[NN [[A V][L VV]]]	1	0.02%
[NN [[A V][N [C N]]]]	1	0.02%
[NN [[A V][N N N]]]	1	0.02%
[NN [[A V][NN N]]]	1	0.02%
[NN [[A V][V NN]]]	1	0.02%
[NN [[A V][VV N]]]	1	0.02%
[NN [[AA X] V]]	1	0.02%
[NN [[B A][V V V]]]	1	0.02%

[NN [[B V] E]]	1	0.02%
[NN [[B V] N]]	1	0.02%
[NN [[B V][V WW]]]	1	0.02%
[NN [[GG GG] V]]	1	0.02%
[NN [[NN X] V]]	1	0.02%
[NN [[P [N K]][VV VV]]]	1	0.02%
[NN [[P I][V AA]]]	1	0.02%
[NN [[P N] V]]	1	0.02%
[NN [[P N][VV V]]]	1	0.02%
[NN [[P NN][L NN]]]	1	0.02%
[NN [[P NN][VV I]]]	1	0.02%
[NN [[T V][[N Q] N]]]	1	0.02%
[NN [[T VV] E]]	1	0.02%
[NN [[V [P NN]] V]]	1	0.02%
[NN [[V E] N]]	1	0.02%
[NN [[V E][[P N] V]]]	1	0.02%
[NN [[V E][A NN]]]	1	0.02%
[NN [[V E][V NN]]]	1	0.02%
[NN [[V G] AAA]]	1	0.02%
[NN [[V G][A NN]]]	1	0.02%
[NN [[V G][A VV]]]	1	0.02%
[NN [[V G][AA V]]]	1	0.02%
[NN [[V G][N VV]]]	1	0.02%
[NN [[V G][V [A V]]]]	1	0.02%
[NN [[V G][V [B V]]]]	1	0.02%
[NN [[V G][V AA]]]	1	0.02%
[NN [[V I][[N Q] N]]]	1	0.02%
[NN [[V N][A [V N]]]]	1	0.02%
[NN [[V N][V [V N]]]]	1	0.02%
[NN [[V NN][P [NN NN]]]]	1	0.02%
[NN [[VV NN] V]]	1	0.02%
[NN [[W Q] N]]	1	0.02%
[NN [A [[P [N K]] V]]]	1	0.02%
[NN [A [[P NN] V]]]	1	0.02%
[NN [A [L N]]]	1	0.02%
[NN [A [V V]]]	1	0.02%

[NN [A NN]]	1	0.02%
[NN [AA [[A V] V]]]	1	0.02%
[NN [AA [AA V]]]	1	0.02%
[NN [AA [T VV]]]	1	0.02%
[NN [AA [V [P I]]]]	1	0.02%
[NN [AA [V [V N]]]]	1	0.02%
[NN [AA [V GG]]]	1	0.02%
[NN [AA [VV G]]]	1	0.02%
[NN [AA [VV N]]]	1	0.02%
[NN [B [L N]]]	1	0.02%
[NN [B [V N]]]	1	0.02%
[NN [G [V N]]]	1	0.02%
[NN [II [V NN]]]	1	0.02%
[NN [L [Q [A NN]]]]	1	0.02%
[NN [L VV]]	1	0.02%
[NN [L WW]]	1	0.02%
[NN [N Q]]	1	0.02%
[NN [N QQ]]	1	0.02%
[NN [NN [V [V N]]]]	1	0.02%
[NN [NN [V VV]]]	1	0.02%
[NN [NN VV]]	1	0.02%
[NN [V [[B P] I]]]	1	0.02%
[NN [V [[I NN] V]]]	1	0.02%
[NN [V [[N Q] N]]]	1	0.02%
[NN [V [[NN X] NNN]]]	1	0.02%
[NN [V [A [[AA X] NN]]]]	1	0.02%
[NN [V [B VV]]]	1	0.02%
[NN [V [P [[A N] K]]]]	1	0.02%
[NN [V [P [N K]]] G]]	1	0.02%
[NN [V [P [NN N]]]]	1	0.02%
[NN [V [P N]]]	1	0.02%
[NN [V [Q NNN]]]	1	0.02%
[NN [V [V [AA N]]]]	1	0.02%
[NN [V [W Q]]]	1	0.02%
[NN [V Q]]	1	0.02%
[NN [V WW]]	1	0.02%

[NN [VV [L NN]]]	1	0.02%
[NN [VV [NN N]]]	1	0.02%
[NN [VV [NN V]]]	1	0.02%
[NN [VV [V [N Q]]]]	1	0.02%
[NN [VV [V NN]]]	1	0.02%
[NN [VV A]]	1	0.02%
[NN [VV NN]]	1	0.02%
[NN [VV NNN]]	1	0.02%
[NN [VV V]]	1	0.02%
[NN [VV VV]]	1	0.02%
[NN NN N]	1	0.02%
[NN NNN]	1	0.02%
[NN Q]	1	0.02%
[NN X]	1	0.02%
[NNN [[A L][V I]]]	1	0.02%
[NNN [[V E] V]]	1	0.02%
[NNN [G [V [A V]]]]	1	0.02%
[NNN [G [VV N]]]	1	0.02%
[NNN [I [A VV]]]	1	0.02%
[NNN [V [A V]]]	1	0.02%
[NNN [V [V N]]]	1	0.02%
[NNN [V E]]	1	0.02%
[NNN [V NNN]]	1	0.02%
[NNN [V VV]]	1	0.02%
[NNN [VV V]]	1	0.02%
[NNN NNN]	1	0.02%
[NNN VV]	1	0.02%
[NNNN [[V E] V]]	1	0.02%
[NNNN [[V N] N]]	1	0.02%
[NNNN [A VV]]	1	0.02%
[NNNN [AA V]]	1	0.02%
[NNNN [L NN]]	1	0.02%
[NNNN [V [V N]]]	1	0.02%
[NNNN N]	1	0.02%
[NNNNNN]	1	0.02%
[NNNNNNN]	1	0.02%

[P [[[A NN] X] N]]	1	0.02%
[T [V V]]	1	0.02%
[V [[D [A N]] V]]	1	0.02%
[V [[I NN][V NN]]]	1	0.02%
[V [[I X] NN]]	1	0.02%
[V [[N Q] NNN]]	1	0.02%
[V [[N Q][A NN]]]	1	0.02%
[V [[N Q][I VV]]]	1	0.02%
[V [A [V [B V]]]]	1	0.02%
[V [A NNN]]	1	0.02%
[V [AA NNN]]	1	0.02%
[V [B A]]	1	0.02%
[V [B G]]	1	0.02%
[V [D [A NN]]]	1	0.02%
[V [D NNN]]	1	0.02%
[V [G V]]	1	0.02%
[V [I [[N Q] N]]]	1	0.02%
[V [I N]]	1	0.02%
[V [I V]]	1	0.02%
[V [N K]]	1	0.02%
[V [N N]]	1	0.02%
[V [N V]]	1	0.02%
[V [P [[A N] K]]]	1	0.02%
[V [P [[AA NN] K]]]	1	0.02%
[V [P [[AA X] NN]]]	1	0.02%
[V [P [[N Q][AA N]]]]	1	0.02%
[V [P [[W Q][A NN]]]]	1	0.02%
[V [P [I NN]]]	1	0.02%
[V [P [N K]]]	1	0.02%
[V [P [N NN]]]	1	0.02%
[V [P [NN V]]]	1	0.02%
[V [P AA]]	1	0.02%
[V [Q [NN [V NN]]]]	1	0.02%
[V [V [[I X][A NN]]]]	1	0.02%
[V [V [A NN]]]	1	0.02%
[V [V [N NN]]]	1	0.02%

[V [V [NN [C NN]]]]	1	0.02%
[V V V V]	1	0.02%
[V V]	1	0.02%
[VV [[[B P] NN] V]]	1	0.02%
[VV [[[N K] X][A NN]]]	1	0.02%
[VV [[A V][N [A N]]]]	1	0.02%
[VV [[AA X][A NN]]]	1	0.02%
[VV [[I X] NN]]	1	0.02%
[VV [[N K][A NN]]]	1	0.02%
[VV [[N Q][A N]]]	1	0.02%
[VV [[N Q][NN N]]]	1	0.02%
[VV [[N QQ] NN]]	1	0.02%
[VV [[NN X] NN]]	1	0.02%
[VV [[NN X][A NN]]]	1	0.02%
[VV [[NNN Q] N]]	1	0.02%
[VV [[V E] V]]	1	0.02%
[VV [[V I][V [A V]]]]	1	0.02%
[VV [[V I][V NN]]]	1	0.02%
[VV [A [V [[N Q] N]]]]	1	0.02%
[VV [A N]]	1	0.02%
[VV [A VV]]	1	0.02%
[VV [AA [A NN]]]	1	0.02%
[VV [B VV]]	1	0.02%
[VV [I [[AA X] N]]]	1	0.02%
[VV [I [B V]]]	1	0.02%
[VV [I [T [VV I]]]]	1	0.02%
[VV [I [V [W NN]]]]	1	0.02%
[VV [I [V W]]]	1	0.02%
[VV [L [[NN X][NN N]]]]	1	0.02%
[VV [L VV]]	1	0.02%
[VV [N K]]	1	0.02%
[VV [N Q]]	1	0.02%
[VV [N V]]	1	0.02%
[VV [N VV]]	1	0.02%
[VV [NN [[N Q][N NN]]]]	1	0.02%
[VV [NN [[V N] N]]]	1	0.02%

[VV [NN [N K]]]	1	0.02%
[VV [NN [NN K]]]	1	0.02%
[VV [NN [V [Q [A NN]]]]]	1	0.02%
[VV [T [A VV]]]	1	0.02%
[VV [T [V W]]]	1	0.02%
[VV [T VV]]	1	0.02%
[VV [V [Q [AA N]]]]	1	0.02%
[VV [V AA]]	1	0.02%
[VV [VV [NN N]]]	1	0.02%
[VV [VV N]]	1	0.02%
[VV AA]	1	0.02%
[VV NNNN]	1	0.02%
[VVVV [V [B A]]]	1	0.02%
[VVVV NNN]	1	0.02%
[W [V N]]	1	0.02%
[W [V W]]	1	0.02%
[WW NN]	1	0.02%
[WW V]	1	0.02%
[WWW V]	1	0.02%
TOTAL	**4172**	**100.00%**

APPENDIX II

SIMPLIFIED TREES

Simplified Tree	Total # of Lines	Percentage
[1 2]	808	19.37%
[2 1]	504	12.08%
[[2 2][1 2]]	371	8.89%
[2 [1 2]]	291	6.98%
[2 2]	287	6.88%
[[2 2][2 1]]	220	5.27%
[2]	144	3.45%
[2 [2 [1 2]]]	142	3.40%
[3]	140	3.36%
[2 [2 1]]	115	2.76%
[1]	58	1.39%
[[1 [1 2]][1 2]]	53	1.27%
[2 [2 [2 1]]]	48	1.15%
[1 [1 2]]	38	0.91%
[1 [1 [1 2]]]	36	0.86%
[[2 1] 2]	35	0.84%
[2 3]	33	0.79%
[[2 1] 1]	30	0.72%
[1 [1 [2 [1 2]]]]	30	0.72%
[2 [1 [1 [1 2]]]]	29	0.70%
[[2 2] 3]	28	0.67%
[1 [1 [2 1]]]	25	0.60%
[[1 2][1 2]]	24	0.58%
[[2 2] 1]	23	0.55%

[2 [2 2]]	21	0.50%
[[2 2] 2]	18	0.43%
[1 [2 1]]	18	0.43%
[[1 [1 2]][2 1]]	17	0.41%
[[1 2] 2]	17	0.41%
[1 [[1 2][1 2]]]	16	0.38%
[2 [2 3]]	16	0.38%
[4 [1 2]]	15	0.36%
[2 [1 [1 [2 1]]]]	13	0.31%
[5]	13	0.31%
[[1 2][2 1]]	12	0.29%
[[[2 2] 1][1 2]]	11	0.26%
[[1 2] 1]	11	0.26%
[[2 3] 1]	11	0.26%
[4]	10	0.24%
[1 [2 2]]	9	0.22%
[2 2 2 2]	9	0.22%
[[[2 1] 1][2 1]]	8	0.19%
[[2 1][2 1]]	8	0.19%
[[2 2][2 2]]	8	0.19%
[2 [[2 2] 1]]	8	0.19%
[[[2 1] 2][1 2]]	7	0.17%
[[1 [1 2]] 3]	7	0.17%
[[1 [2 2]] 3]	7	0.17%
[[2 2][[1 2] 1]]	7	0.17%
[1 [2 [1 2]]]	7	0.17%
[2 [1 [[2 1] 1]]]	7	0.17%
[[[2 1] 1][1 2]]	6	0.14%
[[1 [1 2]] 1]	6	0.14%
[1 [1 [2 2]]]]	6	0.14%
[2 [[2 1] 1]]	6	0.14%
[2 [[2 1] 2]]	6	0.14%
[3 [1 2]]	6	0.14%
[7]	6	0.14%
[[1 2][2 [1 2]]]	5	0.12%
[[2 2][1 [1 2]]]	5	0.12%

[1 [[1 2][2 1]]]	5	0.12%
[1 [1 [2 3]]]	5	0.12%
[1 [1 3]]	5	0.12%
[2 [[2 1][1 2]]]	5	0.12%
[2 [1 [2 [2 1]]]]	5	0.12%
[3 [1 [1 2]]]	5	0.12%
[3 2]	5	0.12%
[4 [2 1]]	5	0.12%
[8]	5	0.12%
[[[1 2] 1][1 [1 3]]]	4	0.10%
[[[1 2] 1][1 2]]	4	0.10%
[[[2 1] 1] 1]	4	0.10%
[[1 [1 2]][1 [1 [1 2]]]]	4	0.10%
[[1 2][2 2]]	4	0.10%
[[2 [2 2]] 1]	4	0.10%
[[2 [2 2]][1 [1 2]]]	4	0.10%
[[2 1][1 [2 1]]]	4	0.10%
[[2 1][1 2]]	4	0.10%
[[2 2 2] 3]	4	0.10%
[1 [1 [2 [2 1]]]]	4	0.10%
[1 3]	4	0.10%
[2 [1 [1 2]]]	4	0.10%
[2 [2 3]]	4	0.10%
[2 2 2]	4	0.10%
[[1 [1 2]] 2]	3	0.07%
[[1 2][1 [2 [2 1]]]]	3	0.07%
[[2 1][1 [1 2]]]	3	0.07%
[[2 2 2][1 2]]	3	0.07%
[[2 2 2][2 1]]	3	0.07%
[[2 2][[2 1] 1]]	3	0.07%
[[2 2][1 [2 1]]]	3	0.07%
[[2 2][2 [2 1]]]	3	0.07%
[[3 1][1 2]]	3	0.07%
[2 [[1 2] 1]]	3	0.07%
[2 [[1 2][1 2]]]	3	0.07%
[2 [1 [1 3]]]	3	0.07%

[3 [2 1]]	3	0.07%
[[3 1] 3]	2	0.05%
[[[[2 1] 1] 2][1 2]]	2	0.05%
[[[[2 2] 1] 2][1 2]]	2	0.05%
[[[1 2] 1][2 1]]	2	0.05%
[[[1 2] 2][1 [1 2]]]	2	0.05%
[[[2 1] 1] 2]	2	0.05%
[[[2 2] 2][2 1]]	2	0.05%
[[1 [2 1]][1 2]]	2	0.05%
[[1 2] 3]	2	0.05%
[[1 2][1 [1 [1 2]]]]	2	0.05%
[[2 [1 2]][1 2]]	2	0.05%
[[2 [2 1]] 2]	2	0.05%
[[2 [2 1]][1 2]]	2	0.05%
[[2 1][[2 1] 1]]	2	0.05%
[[2 2][2 [1 2]]]	2	0.05%
[1 [[1 2] 1]]	2	0.05%
[1 [1 [[2 1] 2]]]	2	0.05%
[1 [2 [1 [2 1]]]]	2	0.05%
[1 [2 3]]	2	0.05%
[2 [[1 [1 2]] 1]]	2	0.05%
[2 [[1 2][2 1]]]	2	0.05%
[2 [1 [[2 1] 2]]]	2	0.05%
[2 [1 [2 1]]]	2	0.05%
[2 2][1 [1 [2 1]]]	2	0.05%
[2 22]	2	0.05%
[6]	2	0.05%
[9]	2	0.05%
[[[[2 1] 1][2 1]][1 2]]	1	0.02%
[[[[2 1] 1][2 1]][2 1]]	1	0.02%
[[[1 2] 1] 2]	1	0.02%
[[[1 2] 1][2 2]]	1	0.02%
[[[1 2][1 2]][1 2]]	1	0.02%
[[[2 1] 1] 2][1 2]]	1	0.02%
[[[2 1] 1][1 [1 [1 2]]]]	1	0.02%
[[[2 1] 1][2 2]]	1	0.02%

[[[2 1] 2] 2]	1	0.02%
[[[2 1] 2] 3]	1	0.02%
[[[2 1] 2][1 [[1 2] 1]]]	1	0.02%
[[[2 1] 2][1 [1 2]]]	1	0.02%
[[[3 1] 2][1 [1 [1 2]]]]	1	0.02%
[[1 [[2 1] 1]][2 1]]	1	0.02%
[[1 [1 [[1 2] 2]]] 1]	1	0.02%
[[1 [1 [1 2]]][1 2]]	1	0.02%
[[1 [1 [2 1]]][1 2]]	1	0.02%
[[1 [1 [2 2]]][1 2]]	1	0.02%
[[1 [1 2]][[2 1] 1]]	1	0.02%
[[1 [1 2]][2 [2 1]]]	1	0.02%
[[1 [2 [1 [1 2]]]][[2 1] 1]]	1	0.02%
[[1 1 1 1][1 2]]	1	0.02%
[[1 1 1 1][2 1]]	1	0.02%
[[1 2][[2 1] 1]]	1	0.02%
[[1 2][[2 2][2 1]]]	1	0.02%
[[1 2][1 [[1 2][1 2]]]]	1	0.02%
[[1 2][1 [1 [2 1]]]]	1	0.02%
[[1 2][1 [1 2]]]	1	0.02%
[[1 2][1 [2 [1 2]]]]	1	0.02%
[[1 2][1 [2 1]]]	1	0.02%
[[1 2][4 [1 2]]]	1	0.02%
[[1 4][1 2]]	1	0.02%
[[2 [1 2]] 1]	1	0.02%
[[2 [2 1]][2 2]]	1	0.02%
[[2 1] 3]	1	0.02%
[[2 1][[1 2] 1]]	1	0.02%
[[2 1][[2 1][[[1 2] 1][1 2]]]]	1	0.02%
[[2 1][1 [1 [1 2]]]]	1	0.02%
[[2 1][2 [1 2]]]	1	0.02%
[[2 1][2 [2 1]]]	1	0.02%
[[2 1][2 2]]	1	0.02%
[[2 2][[2 2][1 2]]]	1	0.02%
[[2 2][1 [1 [1 2]]]]	1	0.02%
[[2 2][1 [1 [2 1]]]]	1	0.02%

[[2 2][1 [1 3]]]	1	0.02%
[[2 2][1 [2 2]]]	1	0.02%
[[2 2][1 3]]	1	0.02%
[[2 2][2 [[1 2] 1]]]	1	0.02%
[[2 2]][2 1]]	1	0.02%
[[2 3] 2]	1	0.02%
[[2 3][1 2]]	1	0.02%
[[3 1] 1]	1	0.02%
[[3 1][2 1]]	1	0.02%
[[3 2][2 [1 2]]]	1	0.02%
[[3 3][1 2]]	1	0.02%
[1 [[[1 2] 1] 1]]	1	0.02%
[1 [[1 [[2 1] 2]][1 2]]]	1	0.02%
[1 [1 [[1 2][1 2]]]]	1	0.02%
[1 [1 [[2 1][1 2]]]]	1	0.02%
[1 [1 [[2 2] 1]]]	1	0.02%
[1 [1 [1 [1 [1 2]]]]]	1	0.02%
[1 [1 [1 [2 [1 2]]]]]	1	0.02%
[1 [1 [1 [2 1]]]]	1	0.02%
[1 [1 [1 3]]]	1	0.02%
[1 [1 [2 [2 [2 1]]]]]	1	0.02%
[1 [2 [[2 1] 2]]]	1	0.02%
[1 [2 [[2 2] 1]]]	1	0.02%
[1 [2 [2 [2 1]]]]	1	0.02%
[2 3]	1	0.02%
[2 [[1 [1 2]][1 2]]]	1	0.02%
[2 [[1 2] 2]]	1	0.02%
[2 [[1 2][[2 1][2 1]]]]	1	0.02%
[2 [[1 2][1 [2 2]]]]	1	0.02%
[2 [[1 2][2 2]]]	1	0.02%
[2 [[3 1] 1]]	1	0.02%
[2 [[3 1] 2]]	1	0.02%
[2 [[3 1][1 2]]]	1	0.02%
[2 [1 [[2 1] 3]]]	1	0.02%
[2 [1 [[2 1][2 1]]]]	1	0.02%
[2 [1 [[3 1][1 2]]]]	1	0.02%

[2 [1 [1 [[2 1] 2]]]]	1	0.02%
[2 [1 [1 2]]	1	0.02%
[2 [1 [1 2]] 1]]	1	0.02%
[2 [2 [[2 1] 1]]]	1	0.02%
[2 [2 [1 [1 [1 2]]]]]	1	0.02%
[2 [2 [2 [1 2]]]]	1	0.02%
[2 1][1 [2 1]]]	1	0.02%
[2 2 [2 1]]	1	0.02%
[2 2 1]	1	0.02%
[2 4]	1	0.02%
[222]	1	0.02%
[3 [1 [2 1]]]	1	0.02%
[3 [1 3]]	1	0.02%
[3 [2 2]]	1	0.02%
[3 1]	1	0.02%
[3 3]	1	0.02%
[4 1]	1	0.02%
[4 3]	1	0.02%
[4 4]	1	0.02%
TOTAL	**4172**	**100.00%**

F-CATEGORY TREES

F-Cat Tree	Total # of Lines	Percentage
[V NN]	251	6.02%
[NN V]	137	3.28%
[A NN]	133	3.19%
[VV N]	77	1.85%
[NN]	71	1.70%
[NNN]	67	1.61%
[NN [V NN]]	55	1.32%
[A VV]	54	1.29%
[[N F] NN]	52	1.25%
[N N N]	48	1.15%
[[N F] N]	42	1.01%
[N]	41	0.98%
[F [V N]]	39	0.93%
[NN N]	38	0.91%
[VV NN]	36	0.86%
[N NN]	34	0.81%
[NN NN]	34	0.81%
[NN VV]	29	0.70%
[AA V]	26	0.62%
[V [F N]]	26	0.62%
[[[N F] NN][V NN]]	25	0.60%
[V V V]	25	0.60%
[NN F]	23	0.55%

[V [A N]]	22	0.53%
[N VV]	21	0.50%
[VV [A NN]]	21	0.50%
[[V F] V]	19	0.46%
[V [A V]]	19	0.46%
[V N]	19	0.46%
[[V F] A]	18	0.43%
[N N]	17	0.41%
[V AA]	17	0.41%
[V VV]	17	0.41%
[V]	17	0.41%
[[NN NN][A VV]]	16	0.38%
[[NN NN][V NN]]	16	0.38%
[[[N F] NN][V V V]]	14	0.34%
[[N F] NNN]	14	0.34%
[[VV NN][V NN]]	14	0.34%
[VV VV]	13	0.31%
[[[N F] NN][[N F] N]]	12	0.29%
[[F N] V]	12	0.29%
[[N F][A NN]]	12	0.29%
[AA NN]	12	0.29%
[N [WW N]]	12	0.29%
[VV [[N F][A NN]]]	12	0.29%
[VV F]	12	0.29%
[[[N F] NN][V [V N]]]	11	0.26%
[[[N F] NNN] F]	11	0.26%
[[NN VV][NN V]]	11	0.26%
[[NN VV][V NN]]	11	0.26%
[AA N]	11	0.26%
[F VV]	11	0.26%
[V [V N]]	11	0.26%
[VV NNN]	11	0.26%
[VV V]	11	0.26%
[[[N F] NN][[N F] V]]	10	0.24%
[[NN NN][NN V]]	10	0.24%
[[V N][V N]]	10	0.24%
[F [A V]]	10	0.24%

[N [A V]]	10	0.24%
[NN [NN V]]	10	0.24%
[V [B V]]	10	0.24%
[[N F][N F][N F][N F]]	9	0.22%
[[NN NN] VV]	9	0.22%
[[NN VV] F]	9	0.22%
[[V F][[V F] V]]	9	0.22%
[[V N] V]	9	0.22%
[A N]	9	0.22%
[NN [A V]]	9	0.22%
[[[N F] NN][NN V]]	8	0.19%
[[A N] V]	8	0.19%
[[AA F] NN]	8	0.19%
[[N F][V NN]]	8	0.19%
[[V F] N]	8	0.19%
[[V N] F]	8	0.19%
[AA [L [F [A NN]]]]	8	0.19%
[N [V NN]]	8	0.19%
[N F]	8	0.19%
[N N N N N]	8	0.19%
[NN [A VV]]	8	0.19%
[NN [F NN]]	8	0.19%
[NN [V AA]]	8	0.19%
[NN [V N]]	8	0.19%
[V [F [A NN]]]	8	0.19%
[V [N F]]	8	0.19%
[[[N F] NN][L NN]]	7	0.17%
[[[N F][A N]][V NN]]	7	0.17%
[[F [[F F] NN]][V V V]]	7	0.17%
[[N V] F]	7	0.17%
[[V F] NN]	7	0.17%
[F [L [[N F][A NN]]]]	7	0.17%
[F [L [A NN]]]	7	0.17%
[N [F V]]	7	0.17%
[NN [AA V]]	7	0.17%
[NN [V [A V]]]	7	0.17%

[NN [V [F N]]]	7	0.17%
[NNNN]	7	0.17%
[VV [[N F] NNN]]	7	0.17%
[[AA F] N]	6	0.14%
[[N F] V]	6	0.14%
[[NN [B V]][[W N] V]]	6	0.14%
[[NN NN][A NN]]	6	0.14%
[[NN NN][AA V]]	6	0.14%
[[V [F NN]][V NN]]	6	0.14%
[[VV F] N]	6	0.14%
[[VV F] NN]	6	0.14%
[F [V [[N F][A NN]]]]	6	0.14%
[F [V NN]]	6	0.14%
[F [V V]]	6	0.14%
[F NN]	6	0.14%
[N [V N]]	6	0.14%
[NN [V [V N]]]	6	0.14%
[VV [F VV]]	6	0.14%
[[[N F] NN][[F [N F]] V]]	5	0.12%
[[[N F] NN][V VV]]	5	0.12%
[[[N F] NN][VV N]]	5	0.12%
[[[N F][A N]][V [V N]]]	5	0.12%
[[[N F][N F]][N F]]	5	0.12%
[[N F][[N F] N]]	5	0.12%
[[N F][A N]]	5	0.12%
[[NN NN] V]	5	0.12%
[[NN NN][B NN]]	5	0.12%
[[NN NN][F NN]]	5	0.12%
[[NN NN][F VV]]	5	0.12%
[[V [F [N F]]][B [N F]]]	5	0.12%
[[V [F NN]][V V V]]	5	0.12%
[[VV NN][AA V]]	5	0.12%
[A [A N]]	5	0.12%
[A V]	5	0.12%
[B [V N]]	5	0.12%
[L NN]	5	0.12%

[N [N F]]	5	0.12%
[N N N N N N N N]	5	0.12%
[N N N N N N N]	5	0.12%
[NN [[V F][A NN]]]	5	0.12%
[NN [L NN]]	5	0.12%
[NN [V F]]	5	0.12%
[NN [V VV]]	5	0.12%
[V [F NN]]	5	0.12%
[V [F V]]	5	0.12%
[V [L AA]]	5	0.12%
[VV [NN V]]	5	0.12%
[WW [L [A F]]]	5	0.12%
[[[A NN] F][V [A NNN]]]	4	0.10%
[[[F F] NN][V VV]]	4	0.10%
[[[N F] NN][V [A V]]]	4	0.10%
[[[N F] NN][V FF]]	4	0.10%
[[[V F] NN][V NN]]	4	0.10%
[[AA F][V F]]	4	0.10%
[[B F] V]	4	0.10%
[[F [F NN]][V NN]]	4	0.10%
[[F [V NN]][F [A [V NN]]]]	4	0.10%
[[N F] VV]	4	0.10%
[[N NN][V F]]	4	0.10%
[[N V][N V]]	4	0.10%
[[NN [B V]][NN V]]	4	0.10%
[[NN F] N]	4	0.10%
[[NN NN] NNN]	4	0.10%
[[NN VV][L NN]]	4	0.10%
[[VV [[N F] NN]][V [F [N F]]]]	4	0.10%
[[VV NN][A VV]]	4	0.10%
[[VV NN][NN V]]	4	0.10%
[[VV NN][V [V N]]]	4	0.10%
[[VV VV VV] NNN]	4	0.10%
[[WW VV][V NN]]	4	0.10%
[A [V N]]	4	0.10%
[AA [V NN]]	4	0.10%

[B [A V]]	4	0.10%
[F [B V]]	4	0.10%
[F [L [[F F] NN]]]	4	0.10%
[F [V F]]	4	0.10%
[L VV]	4	0.10%
[N V]	4	0.10%
[NN [[F L][V NN]]]	4	0.10%
[NN [[V F] A]]	4	0.10%
[NN [F [V N]]]	4	0.10%
[NN [VV [A NN]]]	4	0.10%
[NN [VV F]]	4	0.10%
[NN [VV N]]	4	0.10%
[NN NN NN]	4	0.10%
[V [F [NN N]]]	4	0.10%
[V FF]	4	0.10%
[VV [[F F][A NN]]]	4	0.10%
[VV [NN F]]	4	0.10%
[VV A]	4	0.10%
[VV]	4	0.10%
[[[[V F] NN] F][L NN]]	3	0.07%
[[[AA F] N] F]	3	0.07%
[[[AA F] NN][V NN]]	3	0.07%
[[[B V][B V]][[A V] F]]	3	0.07%
[[[N F] NN][AA V]]	3	0.07%
[[[N F] NN][V AA]]	3	0.07%
[[[V F] NN][[V F] N]]	3	0.07%
[[[V F] NN][NN V]]	3	0.07%
[[A F] V]	3	0.07%
[[A NN][[V F] V]]	3	0.07%
[[A NN][V F]]	3	0.07%
[[A NN][V NN]]	3	0.07%
[[A V] NN]	3	0.07%
[[AA VV][V NN]]	3	0.07%
[[F [F VV]] F]	3	0.07%
[[F F] NN]	3	0.07%
[[N F][V [F N]]]	3	0.07%

[[N NN] N]	3	0.07%
[[N NN][V [[N F][AA N]]]]	3	0.07%
[[NN [N F]][V NN]]	3	0.07%
[[NN [V F]][A NN]]	3	0.07%
[[NN [V F]][A VV]]	3	0.07%
[[NN [V F]][NN V]]	3	0.07%
[[NN [V F]][V AA]]	3	0.07%
[[NN N] F]	3	0.07%
[[NN N] VV]	3	0.07%
[[NN NN][NN N]]	3	0.07%
[[NN NN][V [A V]]]	3	0.07%
[[NN NN][V VV]]	3	0.07%
[[NN VV][A VV]]	3	0.07%
[[NN VV][VV N]]	3	0.07%
[[V [F NN]] VV]	3	0.07%
[[V [F NN]][[V F] V]]	3	0.07%
[[V [F NN]][A VV]]	3	0.07%
[[V A] F]	3	0.07%
[[V F][[N F] N]]	3	0.07%
[[V F][[N F][A NN]]]	3	0.07%
[[V F][A NN]]	3	0.07%
[[V F][V F]]	3	0.07%
[[V F][V NN]]	3	0.07%
[[V N][V NN]]	3	0.07%
[[V NN][V NN]]	3	0.07%
[[VV NN] F]	3	0.07%
[[VV NN][A NN]]	3	0.07%
[[VV NN][V [F N]]]	3	0.07%
[[VV NN][V AA]]	3	0.07%
[[VV NN][VV N]]	3	0.07%
[[WW VV][L NN]]	3	0.07%
[[WW VV][NN V]]	3	0.07%
[[WW VV][VV N]]	3	0.07%
[A [V F]]	3	0.07%
[AA VV]	3	0.07%
[B NN]	3	0.07%

[B VV]	3	0.07%
[F [[F NN][V [B V]]]]	3	0.07%
[F [L NN]]	3	0.07%
[F [N F]]	3	0.07%
[F [V [[N F] NNN]]]	3	0.07%
[FF [[A L][A NN]]]	3	0.07%
[N [L [A NN]]]	3	0.07%
[N [VV NN]]	3	0.07%
[NN [[N F] N]]	3	0.07%
[NN [[V F] V]]	3	0.07%
[NN [[V F][[N F] N]]]	3	0.07%
[NN [[V F][AA V]]]	3	0.07%
[NN [[V F][V NN]]]	3	0.07%
[NN [[V N][V NN]]]	3	0.07%
[NN [F VV]]	3	0.07%
[NN [V [B A]]]	3	0.07%
[NN [V [B V]]]	3	0.07%
[NN [V [F [A NN]]]]	3	0.07%
[NN [V [F V]]]	3	0.07%
[NN [V FF]]	3	0.07%
[NN [VV [N NN]]]	3	0.07%
[NNN [F [V [F N]]]]	3	0.07%
[V [F [[N F][A NN]]]]	3	0.07%
[V [F [NN F]]]	3	0.07%
[V V V V V]	3	0.07%
[V WW]	3	0.07%
[VV [[[N F] F] N]]	3	0.07%
[VV [[N F][AA N]]]	3	0.07%
[VV [NN [F NN]]]	3	0.07%
[VV [NN N]]	3	0.07%
[VVVV [V NN]]	3	0.07%
[[[[NN VV] F] NN][L [A F]]]	2	0.05%
[[[A NN] NN][L [A NN]]]	2	0.05%
[[[A V] NN][VV N]]	2	0.05%
[[[AA F] NN][A VV]]	2	0.05%
[[[F F] NN][V [F N]]]	2	0.05%

[[[F F] VV][V NN]]	2	0.05%
[[[F N] NN][L [V NN]]]	2	0.05%
[[[N F] F] NN]	2	0.05%
[[[N F] NN][[B V] N]]	2	0.05%
[[[N F] NN][A VV]]	2	0.05%
[[[N F] NN][B [V N]]]	2	0.05%
[[[N F] NN][VV V]]	2	0.05%
[[[N F] V][[N F] V]]	2	0.05%
[[[N N N] F][N N N]]	2	0.05%
[[[NN N] F][V NN]]	2	0.05%
[[[V F][V F]][V [B V]]]	2	0.05%
[[[V N][V N]][A VV]]	2	0.05%
[[[V N][V N]][NN V]]	2	0.05%
[[[V N][V N]][V V V]]	2	0.05%
[[[V N][V N]][VV N]]	2	0.05%
[[[VV N] F][NN V]]	2	0.05%
[[A [B VV]][VV N]]	2	0.05%
[[A [V NN]][VV N]]	2	0.05%
[[A F] N]	2	0.05%
[[A L] NN]	2	0.05%
[[A L][V NN]]	2	0.05%
[[A N] VV]	2	0.05%
[[A N][V F]]	2	0.05%
[[A NN] F]	2	0.05%
[[A NN] VV]	2	0.05%
[[A NN][B VV]]	2	0.05%
[[A V][[N F][A NN]]]	2	0.05%
[[A V][A V]]	2	0.05%
[[A V][A VV]]	2	0.05%
[[A V][V [F [N NN]]]]	2	0.05%
[[AA F] V]	2	0.05%
[[AA N][V [AA N]]]	2	0.05%
[[AA NN][F VV]]	2	0.05%
[[AA NN][NN V]]	2	0.05%
[[AA NN][V AA]]	2	0.05%
[[AA NN][V NN]]	2	0.05%

[[AA V] F]	2	0.05%
[[B V] N]	2	0.05%
[[B V] VV]	2	0.05%
[[B V][[F F] N]]	2	0.05%
[[B V][F [[F NN] V]]]	2	0.05%
[[B V][NN V]]	2	0.05%
[[B VV] V]	2	0.05%
[[F [L [N F]]][F [L N]]]	2	0.05%
[[F [V [F N]]][V NN]]	2	0.05%
[[F [V NN]][V [A V]]]	2	0.05%
[[F F][A NN]]	2	0.05%
[[F F][VV N]]	2	0.05%
[[F V][VV [B VV]]]	2	0.05%
[[N F] NN][V [F [NN F]]]]	2	0.05%
[[N F][[N F][A [A N]]]]	2	0.05%
[[N F][A [A N]]]	2	0.05%
[[N F][L N]]	2	0.05%
[[N F][L NN]]	2	0.05%
[[N F][NN N]]	2	0.05%
[[N F][NN V]]	2	0.05%
[[N F][V [[N F][AA N]]]]	2	0.05%
[[N F][V [F [A NN]]]]	2	0.05%
[[N F][V FF]]	2	0.05%
[[N F][V N]]	2	0.05%
[[N N N N][V [A V]]]	2	0.05%
[[N NN] VV]	2	0.05%
[[N NN][F V]]	2	0.05%
[[N NN][V [A V]]]	2	0.05%
[[N NN][V NN]]	2	0.05%
[[N NN][VV F]]	2	0.05%
[[N V][F [N V]]]	2	0.05%
[[N V][V NN]]	2	0.05%
[[NN [[V A] F]] WW]	2	0.05%
[[NN [N F]][A NN]]	2	0.05%
[[NN [N F]][VV N]]	2	0.05%
[[NN [V F]][AA V]]	2	0.05%

[[NN [V F]][F [[F F] V]]]	2	0.05%
[[NN [V F]][V NN]]	2	0.05%
[[NN [V N]][AA V]]	2	0.05%
[[NN AA][V NN]]	2	0.05%
[[NN N][A V]]	2	0.05%
[[NN NN][[N F][V F]]]	2	0.05%
[[NN NN][[V F] V]]	2	0.05%
[[NN NN][[V N] V]]	2	0.05%
[[NN NN][L NN]]	2	0.05%
[[NN NN][V [A N]]]	2	0.05%
[[NN NN][V V V]]	2	0.05%
[[NN NN][VV F]]	2	0.05%
[[NN VV][F [V N]]]	2	0.05%
[[NN VV][V VV]]	2	0.05%
[[V [F [N F]]][AA V]]	2	0.05%
[[V [F NN]][F VV]]	2	0.05%
[[V F] VV]	2	0.05%
[[V F][[N F] NNN]]	2	0.05%
[[V F][[N F][NN N]]]	2	0.05%
[[V F][A N]]	2	0.05%
[[V F][NN [F NN]]]	2	0.05%
[[V F][NN [V [F V]]]]	2	0.05%
[[V F][WW N]]	2	0.05%
[[V N] N]	2	0.05%
[[V W][[V F] A]]	2	0.05%
[[V W][[V F] V]]	2	0.05%
[[VV [[F F] NN]] F]	2	0.05%
[[VV [N F]][[A V][N F]]]	2	0.05%
[[VV [N F]][V NN]]	2	0.05%
[[VV [N F]][V VV]]	2	0.05%
[[VV F] V]	2	0.05%
[[VV NN][[N F] V]]	2	0.05%
[[VV NN][A [V N]]]	2	0.05%
[[VV V] N]	2	0.05%
[[VV VV VV][A NN]]	2	0.05%
[[VV VV VV][NN V]]	2	0.05%

[[VV VV][A VV]]	2	0.05%
[[VV VV][F VV]]	2	0.05%
[[VV VV][NN V]]	2	0.05%
[[VV VV][V NN]]	2	0.05%
[[W [A VV]][A VV]]	2	0.05%
[A [[F NN][V FF]]]	2	0.05%
[A [V [NN V]]]	2	0.05%
[A AA]	2	0.05%
[A NNN]	2	0.05%
[AA [A V]]	2	0.05%
[AA [AA V]]	2	0.05%
[AA [L [F NNN]]]	2	0.05%
[AA [V [F [NN F]]]]	2	0.05%
[AA F]	2	0.05%
[AA NNN]	2	0.05%
[AA]	2	0.05%
[F [[F NN][V NN]]]	2	0.05%
[F [A [V [A V]]]]	2	0.05%
[F [F NN [VV F]]]]	2	0.05%
[F [F V]]	2	0.05%
[F [L [[N F] NNN]]]	2	0.05%
[F [L [V NN]]]	2	0.05%
[F [L N]]	2	0.05%
[F [L NNN]]	2	0.05%
[F [V [[N F] N]]]	2	0.05%
[F [V [N [A N]]]]	2	0.05%
[FF [[F NN] V]]	2	0.05%
[FF [VV N]]	2	0.05%
[N [A N]]	2	0.05%
[N [L [AA N]]]	2	0.05%
[N [V [AA N]]]	2	0.05%
[N [V [NN N]]]	2	0.05%
[N [V F]]	2	0.05%
[N N N N N N N N N]	2	0.05%
[N N N N]	2	0.05%
[NN [[[V F] NN] V]]	2	0.05%

[NN [[A L][V NN]]]	2	0.05%
[NN [[F F][V N]]]	2	0.05%
[NN [[N F] V]]	2	0.05%
[NN [[V F][[F F] N]]]	2	0.05%
[NN [[V F][AA N]]]	2	0.05%
[NN [[V F][N NN]]]	2	0.05%
[NN [[V F][NN V]]]	2	0.05%
[NN [[V F][V [V N]]]]	2	0.05%
[NN [[V F][V F]]]	2	0.05%
[NN [[V N] V]]	2	0.05%
[NN [A [B V]]]	2	0.05%
[NN [AA [V NN]]]	2	0.05%
[NN [AA [V VV]]]	2	0.05%
[NN [B VV]]	2	0.05%
[NN [F [A V]]]	2	0.05%
[NN [F V]]	2	0.05%
[NN [L [[[N F] F] NN]]]	2	0.05%
[NN [N F][N F]]	2	0.05%
[NN [NN [V [B V]]]]	2	0.05%
[NN [V [A N]]]	2	0.05%
[NN [V [F [N NN]]]]	2	0.05%
[NN [V [F [NN F]]]]	2	0.05%
[NN [VV [[N F] N]]]	2	0.05%
[NN [VV [F VV]]]	2	0.05%
[NN A]	2	0.05%
[NNN [V NN]]	2	0.05%
[NNN NN]	2	0.05%
[NNNN [V FF]]	2	0.05%
[NNNN [VV N]]	2	0.05%
[NNNNN]	2	0.05%
[V [V F]]	2	0.05%
[V [V NN]]	2	0.05%
[V [WW N]]	2	0.05%
[V F]	2	0.05%
[VV [[N F] N]]	2	0.05%
[VV [A V]]	2	0.05%

[VV [AA [F VV]]]	2	0.05%
[VV [B V]]	2	0.05%
[VV [F [V W]]]	2	0.05%
[VV [N F]]	2	0.05%
[VV [N NN]]	2	0.05%
[VV [NN NN]]	2	0.05%
[VV [V NN]]	2	0.05%
[VVVV [V VV]]	2	0.05%
[WW [L NN]]	2	0.05%
[[[[[N F] V] F] NN][L [A F]]]	1	0.02%
[[[[A A] BB] NN][[N F] V]]	1	0.02%
[[[[N F] F] NN][V [F V]]]	1	0.02%
[[[[N F] N] F] NN]	1	0.02%
[[[[N F] N] F][[V F] N]]	1	0.02%
[[[[NN F] F] NN][L [A F]]]	1	0.02%
[[[[NN N] F][NN N]][A VV]]	1	0.02%
[[[[NN N] F][NN N]][AA V]]	1	0.02%
[[[[V F] V] F][[V F] V]]	1	0.02%
[[[[V V] F] NN][[B L] F]]	1	0.02%
[[[A F][A F]][A NN]]	1	0.02%
[[[A L] NN][V [A N]]]	1	0.02%
[[[A N] NN][[V N] F]]	1	0.02%
[[[A N] NN][V VV]]	1	0.02%
[[[A N] NN][VV N]]	1	0.02%
[[[A N][A N]][[B V] N]]	1	0.02%
[[[A N][B V]][AA V]]	1	0.02%
[[[A N][N F]][N [V N]]]	1	0.02%
[[[A N][V N]] NNN]	1	0.02%
[[[A NN] F][AA VV]]	1	0.02%
[[[A NN] F][NN V]]	1	0.02%
[[[A V] NN] NNN]	1	0.02%
[[[A V] NN][[A V] N]]	1	0.02%
[[[A V] NN][A VV]]	1	0.02%
[[[A V] NN][V [B V]]]	1	0.02%
[[[A V][[W F] NN]] V]	1	0.02%
[[[A V][A V]][A NN]]	1	0.02%

[[[A V][A V]][A VV]]	1	0.02%
[[[A V][A V]][B [V A]]]	1	0.02%
[[[A V][A V]][L AA]]	1	0.02%
[[[A V][A V]][V NN]]	1	0.02%
[[[A V][F N]][V [V N]]]	1	0.02%
[[[A V][N F]][[B V] N]]	1	0.02%
[[[A V][N F]][B VV]]	1	0.02%
[[[A V][N F]][BB V]]	1	0.02%
[[[AA F] NN][[V N] V]]	1	0.02%
[[[AA F] NN][V [F FF]]]	1	0.02%
[[[AA F] NN][V V V]]	1	0.02%
[[[B F] N] V]	1	0.02%
[[[B F] VV][[A F] V]]	1	0.02%
[[[B F][A V]][NN [[F [N F]] V]]]	1	0.02%
[[[B L] NN][V NN]]	1	0.02%
[[[B N][B N]][V AA]]	1	0.02%
[[[B N][V V]] WWW]	1	0.02%
[[[B V] F] VV]	1	0.02%
[[[B V] NN][L WW]]	1	0.02%
[[[B V] NN][V NN]]	1	0.02%
[[[B V] NN][VV F]]	1	0.02%
[[[B V] VV][[A V] V]]	1	0.02%
[[[B V][B V]][AA V]]	1	0.02%
[[[B VV] F][B VV]]	1	0.02%
[[[BB [A V]] NN][[N F] V]]	1	0.02%
[[[F [V N]] F][F [V N]]]	1	0.02%
[[[F F] N][[F WW] V]]	1	0.02%
[[[F F] NN][[A A] V]]	1	0.02%
[[[F F] NN][A VV]]	1	0.02%
[[[F F] NN][L NN]]	1	0.02%
[[[F F] NN][L WW]]	1	0.02%
[[[F F] NN][V FF]]	1	0.02%
[[[F F] NN][V V V]]	1	0.02%
[[[F F][A N]][[B V] F]]	1	0.02%
[[[F N] NN][F [V NN]]]	1	0.02%
[[[F V][F V]][A VV]]	1	0.02%

[[[F V][F V]][F [V V V]]]	1	0.02%
[[[FF F] NN][A [[V NN] V]]]	1	0.02%
[[[FF F] NN][AA V]]	1	0.02%
[[[FF V] F] N]	1	0.02%
[[[N F] F][A N]]	1	0.02%
[[[N F] N] VV]	1	0.02%
[[[N F] N][[N F] N]]	1	0.02%
[[[N F] N][[VV N] F]]	1	0.02%
[[[N F] N][A [B VV]]]	1	0.02%
[[[N F] NN] VV]	1	0.02%
[[[N F] NN][[A N] V]]	1	0.02%
[[[N F] NN][[B V] V]]	1	0.02%
[[[N F] NN][[NN F] N]]	1	0.02%
[[[N F] NN][[V F] N]]	1	0.02%
[[[N F] NN][[V N] V]]	1	0.02%
[[[N F] NN][A [V N]]]	1	0.02%
[[[N F] NN][B VV]]	1	0.02%
[[[N F] NN][F NN]]	1	0.02%
[[[N F] NN][L [N F]]]	1	0.02%
[[[N F] NN][L [V N]]]	1	0.02%
[[[N F] NN][L AA]]	1	0.02%
[[[N F] NN][N VV]]	1	0.02%
[[[N F] NN][V [F [N F]]]]	1	0.02%
[[[N F] NN][V [N F]]]	1	0.02%
[[[N F] NN][VV A]]	1	0.02%
[[[N F] NN][VV F]]	1	0.02%
[[[N F] VV][[AA A] N]]	1	0.02%
[[[N F] VV][[V F][[F F] N]]]	1	0.02%
[[[N F] VV][[VV F] N]]	1	0.02%
[[[N F][A N]][AA V]]	1	0.02%
[[[N F][A N]][L [V N]]]	1	0.02%
[[[N F][A N]][N [V N]]]	1	0.02%
[[[N F][A N]][V [A V]]]	1	0.02%
[[[N F][A N]][V [N V]]]	1	0.02%
[[[N F][A N]][V AA]]	1	0.02%
[[[N F][A N]][V V V]]	1	0.02%

[[[N F][A N]][V VV]]	1	0.02%
[[[N F][A N]][VV N]]	1	0.02%
[[[N F][N F]][[N F][N F]]]	1	0.02%
[[[N F][N F]][AA V]]	1	0.02%
[[[N F][V N]][V NN]]	1	0.02%
[[[N N][N N]][F VV]]	1	0.02%
[[[N V] F] NN]	1	0.02%
[[[N V][N V]][A VV]]	1	0.02%
[[[N V][N V]][B VV]]	1	0.02%
[[[N V][N V]][N [V N]]]	1	0.02%
[[[N V][N V]][N NN]]	1	0.02%
[[[N V][N V]][V AA]]	1	0.02%
[[[NN F] N] VV]	1	0.02%
[[[NN F] N][A VV]]	1	0.02%
[[[NN F] N][L NN]]	1	0.02%
[[[NN F] NN] VV]	1	0.02%
[[[NN F] NN][[B V] F]]	1	0.02%
[[[NN F] NN][[V F] V]]	1	0.02%
[[[NN F] NN][A VV]]	1	0.02%
[[[NN F] NN][AA V]]	1	0.02%
[[[NN F] NN][VV F]]	1	0.02%
[[[NN F][N N]][[F N] V]]	1	0.02%
[[[NN N] F][A VV]]	1	0.02%
[[[NN N] F][NN V]]	1	0.02%
[[[NN V] F] NN][L [A F]]]	1	0.02%
[[[NNN F][N F]][V [F [A NN]]]]	1	0.02%
[[[V [B V]] F][[A V] V]]	1	0.02%
[[[V [N F]] F][V [N F]]]	1	0.02%
[[[V AA] F] WW]	1	0.02%
[[[V F] FF][B NN]]	1	0.02%
[[[V F] NN] V]	1	0.02%
[[[V F] NN][[B V] NN]]	1	0.02%
[[[V F] NN][[B V] V]]	1	0.02%
[[[V F] NN][[F N] V]]	1	0.02%
[[[V F] NN][[N F] V]]	1	0.02%
[[[V F] NN][A [V N]]]	1	0.02%

[[[V F] NN][A VV]]	1	0.02%
[[[V F] NN][B VV]]	1	0.02%
[[[V F] NN][N [A N]]]	1	0.02%
[[[V F] NN][V [N F]]]	1	0.02%
[[[V F] NN][V [N NN]]]	1	0.02%
[[[V F] NN][V AA]]	1	0.02%
[[[V F] NN][VV F]]	1	0.02%
[[[V F] VV][B VV]]	1	0.02%
[[[V F] VV][F [A [V FF]]]]	1	0.02%
[[[V F] VV][L WW]]	1	0.02%
[[[V F] VV][V [F V]]]	1	0.02%
[[[V F][A N]][[F N] V]]	1	0.02%
[[[V F][V F]][V [N F]]]	1	0.02%
[[[V F][V F]][V AA]]	1	0.02%
[[[V F][V F]][V WW]]	1	0.02%
[[[V F][V F]][VV N]]	1	0.02%
[[[V F][V N]][NN V]]	1	0.02%
[[[V FF][V FF]][V [N F]]]	1	0.02%
[[[V N] VV][AA V]]	1	0.02%
[[[V N] VV][V AA]]	1	0.02%
[[[V N][A V]][AA V]]	1	0.02%
[[[V N][L N]] F]	1	0.02%
[[[V N][V N]][[A V] N]]	1	0.02%
[[[V N][V N]][AA V]]	1	0.02%
[[[V N][V N]][F [A V]]]	1	0.02%
[[[V N][V N]][V [B V]]]	1	0.02%
[[[V N][V N]][V [V N]]]	1	0.02%
[[[V N][V N]][V NN]]	1	0.02%
[[[V VV] F][A NN]]	1	0.02%
[[[VV N] F][[B V] V]]	1	0.02%
[[[VV N] F][[F N] V]]	1	0.02%
[[[VV N] F][[N V][N V]]]	1	0.02%
[[[VV N] F][V [F [A NN]]]]	1	0.02%
[[[VV N] F][V [F N]]]	1	0.02%
[[[VV N] N][VV N]]	1	0.02%
[[A [B V]][VV [N NN]]]	1	0.02%

[[A [B VV]][V [A N]]]	1	0.02%
[[A [NN N]][V NN]]	1	0.02%
[[A [V NN]][A [V N]]]	1	0.02%
[[A F][[V N] V]]	1	0.02%
[[A L] F]	1	0.02%
[[A L] VV]	1	0.02%
[[A L] VVV]	1	0.02%
[[A L][[A NN][V [A N]]]]	1	0.02%
[[A L][[NN F][A NN]]]	1	0.02%
[[A L][[NNN F][N NN]]]	1	0.02%
[[A L][A NN]]	1	0.02%
[[A L][NN [V V V]]]	1	0.02%
[[A N] N]	1	0.02%
[[A N][[[V F][A N]] V]]	1	0.02%
[[A N][[A L][A NN]]]	1	0.02%
[[A N][[F NN][[V F] F]]]	1	0.02%
[[A N][[V F][NN N]]]	1	0.02%
[[A N][[VV F] NN]]	1	0.02%
[[A N][A NN]]	1	0.02%
[[A N][A VV]]	1	0.02%
[[A N][NN V]]	1	0.02%
[[A N][V [F [A [A N]]]]]	1	0.02%
[[A N][V [F [A NN]]]]	1	0.02%
[[A NN][[[V F] NN][AA V]]]	1	0.02%
[[A NN][[A V] N]]	1	0.02%
[[A NN][[V F][N VV]]]	1	0.02%
[[A NN][[V N][V NN]]]	1	0.02%
[[A NN][AA VV]]	1	0.02%
[[A NN][F [B V]]]	1	0.02%
[[A NN][F [V [A NN]]]]	1	0.02%
[[A NN][F VV]]	1	0.02%
[[A NN][NN V]]	1	0.02%
[[A NN][V [A N]]]	1	0.02%
[[A NN][V [F [NN F]]]]	1	0.02%
[[A NN][V V V]]	1	0.02%
[[A NN][V VV]]	1	0.02%

[[A V] NNN]	1	0.02%
[[A V][[[N F] F] NN]]	1	0.02%
[[A V][[N F] NNN]]	1	0.02%
[[A V][[N F][NN N]]]	1	0.02%
[[A V][[V F] NNN]]	1	0.02%
[[A V][[V F] V]]	1	0.02%
[[A V][A [A V]]]	1	0.02%
[[A V][A [V [N NN]]]]	1	0.02%
[[A V][A [V N]]]	1	0.02%
[[A V][A NN]]	1	0.02%
[[A V][AA [A NN]]]	1	0.02%
[[A V][B VV]]	1	0.02%
[[A V][F [[F [N F]] V]]]	1	0.02%
[[A V][F [L [A NN]]]]	1	0.02%
[[A V][NN [B VV]]]	1	0.02%
[[A V][NN [F VV]]]	1	0.02%
[[A V][NN [V [N F]]]]	1	0.02%
[[A V][V [F [A NN]]]]	1	0.02%
[[A V][V NN]]	1	0.02%
[[A V][VV [A NN]]]	1	0.02%
[[A VV][A VV]]	1	0.02%
[[A VV][V [N NN]]]	1	0.02%
[[AA [A [A V]]] F]	1	0.02%
[[AA [V F]][VV F]]	1	0.02%
[[AA [V N]][B [V N]]]	1	0.02%
[[AA A] NN]	1	0.02%
[[AA F][A NN]]	1	0.02%
[[AA NN] V]	1	0.02%
[[AA NN][[A F] V]]	1	0.02%
[[AA NN][[A L] F]]	1	0.02%
[[AA NN][[A N] V]]	1	0.02%
[[AA NN][[B V] N]]	1	0.02%
[[AA NN][[V F] A]]	1	0.02%
[[AA NN][[V F] V]]	1	0.02%
[[AA NN][A VV]]	1	0.02%
[[AA NN][AA V]]	1	0.02%

[[AA NN][F NN]]	1	0.02%
[[AA NN][N NN]]	1	0.02%
[[AA NN][V [A V]]]	1	0.02%
[[AA NN][V [B A]]]	1	0.02%
[[AA NN][VV F]]	1	0.02%
[[AA NN][VV V]]	1	0.02%
[[AA V][A [V [B V]]]]	1	0.02%
[[AA VV] F]	1	0.02%
[[AA VV][F VV]]	1	0.02%
[[AA VV][L NN]]	1	0.02%
[[AA VV][NN V]]	1	0.02%
[[B [A V]][F [F [V NN]]]]	1	0.02%
[[B F][[V N][F [V N]]]]	1	0.02%
[[B F][VV N]]	1	0.02%
[[B F][VV NN]]	1	0.02%
[[B L] NNN]	1	0.02%
[[B V] F]	1	0.02%
[[B V] N][F [[B V] N]]]	1	0.02%
[[B V] NN]	1	0.02%
[[B V] NNN]	1	0.02%
[[B V][[F N][V NN]]]	1	0.02%
[[B V][[V F][WW N]]]	1	0.02%
[[B V][A NN]]	1	0.02%
[[B V][B V][[B F] V]]	1	0.02%
[[B V][F [V W]]]	1	0.02%
[[B V][L [[NNN F][A NN]]]]	1	0.02%
[[B V][N VV]]	1	0.02%
[[B V][NN [V [B V]]]]	1	0.02%
[[B V][V N]]	1	0.02%
[[B V][VV NNN]]	1	0.02%
[[B V][WW N]]	1	0.02%
[[B VV][[VV F] N]]	1	0.02%
[[B VV][L [[A NN][V [A N]]]]]	1	0.02%
[[B VV][L [V N]]]	1	0.02%
[[B VV][VV F]]	1	0.02%
[[BB [F NN]][V FF]]	1	0.02%

[[BB VV][NN V]]	1	0.02%
[[F [[B V] F]][F [B V]]]	1	0.02%
[[F [A V]][F [A V]]]	1	0.02%
[[F [AA [V [F NN]]]][[AA F] V]]	1	0.02%
[[F [F [[N F] NN]]][V NN]]	1	0.02%
[[F [F [[V NN] VV]]] F]	1	0.02%
[[F [F [B V]]][[V F] V]]	1	0.02%
[[F [F NN]] V]	1	0.02%
[[F [F NN]][V NN]]	1	0.02%
[[F [F V]][A VV]]	1	0.02%
[[F [L [F NN]]][V [F V]]]	1	0.02%
[[F [L NN]][[F N] V]]	1	0.02%
[[F [V [V N]]][[V F] V]]	1	0.02%
[[F [V NN]][F [A V]]]	1	0.02%
[[F [V NN]][NN V]]	1	0.02%
[[F [V NN]][V V V]]	1	0.02%
[[F [V VV]] F]	1	0.02%
[[F [V VV]][F [V N]]]	1	0.02%
[[F F] VV]	1	0.02%
[[F F][[VV [N F]] V]]	1	0.02%
[[F F][N N N]]	1	0.02%
[[F F][V [A V]]]	1	0.02%
[[F F][V [F [N F]]]	1	0.02%
[[F F][V AA]]	1	0.02%
[[F F][VV [[N F] N]]]	1	0.02%
[[F F][VV [NN N]]]	1	0.02%
[[F N] VV]	1	0.02%
[[F N][V [N N]]]	1	0.02%
[[F N][V FF]]	1	0.02%
[[F N][VV [F VV]]]	1	0.02%
[[F NN] VV]	1	0.02%
[[F NN][VV N]]	1	0.02%
[[F V] F]	1	0.02%
[[F V][F V]]	1	0.02%
[[F V][NN [V [N F]]]]	1	0.02%
[[F VV] F]	1	0.02%

[[F VV][F VV]]	1	0.02%
[[FF NN][A [V N]]]	1	0.02%
[[FF V] FF]	1	0.02%
[[L W][[F NN][[VV F][AA A]]]]	1	0.02%
[[N [A NN]][V [A V]]]	1	0.02%
[[N [A NN]][V [F N]]]	1	0.02%
[[N [A V]] F]	1	0.02%
[[N [V [A N]]][F [V N]]]	1	0.02%
[[N [V N]][V VV]]	1	0.02%
[[N [V NN]][AA V]]	1	0.02%
[[N [V NN]][N N N]]	1	0.02%
[[N [V NN]][N VV]]	1	0.02%
[[N F][[NNN F] NN]]	1	0.02%
[[N F][[V [F NN]] V]]	1	0.02%
[[N F][[V W][F [V F]]]]	1	0.02%
[[N F][A VV]]	1	0.02%
[[N F][AA V]]	1	0.02%
[[N F][B VV]]	1	0.02%
[[N F][NN [V NN]]]	1	0.02%
[[N F][V [F [A [A N]]]]]	1	0.02%
[[N F][V [F [N [N F]]]]]	1	0.02%
[[N F][VV [[N F] N]]]	1	0.02%
[[N F][VV [N [F N]]]]	1	0.02%
[[N F][VV N]]	1	0.02%
[[N F][VV NN]]	1	0.02%
[[N N N N][N N N N]]	1	0.02%
[[N N N N][V FF]]	1	0.02%
[[N N N N][V NN]]	1	0.02%
[[N N N][[V F] N]]	1	0.02%
[[N N N][V NN]]	1	0.02%
[[N N][NN [F VV]]]	1	0.02%
[[N N][V [F [A NN]]]]	1	0.02%
[[N N][V N]]	1	0.02%
[[N NN] NN]	1	0.02%
[[N NN][[N V][N V]]]	1	0.02%
[[N NN][[V N] F]]	1	0.02%

[[N NN][[V N][V N]]]	1	0.02%
[[N NN][N NN]]	1	0.02%
[[N NN][V [[N F][A NN]]]]	1	0.02%
[[N NN][V [NN N]]]	1	0.02%
[[N NN][VV [V [A V]]]]	1	0.02%
[[N NN][VV N]]	1	0.02%
[[N V][B [A V]]]	1	0.02%
[[NN [[N F] N]][L [V N]]]	1	0.02%
[[NN [[N F] N]][L VV]]	1	0.02%
[[NN [[V F] F]][AA VV]]	1	0.02%
[[NN [A A]][[A L] F]]	1	0.02%
[[NN [A A]][L NN]]	1	0.02%
[[NN [A V]][A [V N]]]	1	0.02%
[[NN [A V]][A VV]]	1	0.02%
[[NN [A V]][V NN]]	1	0.02%
[[NN [B N]][AA V]]	1	0.02%
[[NN [B V]][AA [[B A] V]]]	1	0.02%
[[NN [B V]][F VV]]	1	0.02%
[[NN [F F]][[A L][AA V]]]	1	0.02%
[[NN [N F]][NN [V NN]]]	1	0.02%
[[NN [V A]][V NN]]	1	0.02%
[[NN [V F]][[A V] V]]	1	0.02%
[[NN [V F]][[B F] V]]	1	0.02%
[[NN [V F]][B VV]]	1	0.02%
[[NN [V F]][F VV]]	1	0.02%
[[NN [V F]][FF V]]	1	0.02%
[[NN [V F]][V [N F]]]	1	0.02%
[[NN [V F]][V VV]]	1	0.02%
[[NN [V F]][VV N]]	1	0.02%
[[NN [V N]][[V N] V]]	1	0.02%
[[NN [V N]][N N N]]	1	0.02%
[[NN [V N]][NN V]]	1	0.02%
[[NN [V N]][V [V N]]]	1	0.02%
[[NN [VV NN]] F]	1	0.02%
[[NN F] NNN]	1	0.02%
[[NN F] VV]	1	0.02%

[[NN F][[A A] N]]	1	0.02%
[[NN F][[VV F][[[N FF] F][A NN]]]]	1	0.02%
[[NN F][NN [NN V]]]	1	0.02%
[[NN F][V [A N]]]	1	0.02%
[[NN F][V [V [F N]]]]	1	0.02%
[[NN N][F [NN N]]]	1	0.02%
[[NN N][V [[N F] N]]]	1	0.02%
[[NN N][V N]]	1	0.02%
[[NN NN] NN]	1	0.02%
[[NN NN][[A V] V]]	1	0.02%
[[NN NN][[B F] V]]	1	0.02%
[[NN NN][[B L] N]]	1	0.02%
[[NN NN][[N F] N]]	1	0.02%
[[NN NN][[N F] V]]	1	0.02%
[[NN NN][[W F] V]]	1	0.02%
[[NN NN][[W N] V]]	1	0.02%
[[NN NN][B [A V]]]	1	0.02%
[[NN NN][F [A V]]]	1	0.02%
[[NN NN][L [F N]]]	1	0.02%
[[NN NN][L AA]]	1	0.02%
[[NN NN][L VV]]	1	0.02%
[[NN NN][L WW]]	1	0.02%
[[NN NN][N [V N]]]	1	0.02%
[[NN NN][N NN]]	1	0.02%
[[NN NN][NN NN]]	1	0.02%
[[NN NN][V [B V]]]	1	0.02%
[[NN NN][V [F [[N F] N]]]]	1	0.02%
[[NN NN][V [N F]]]	1	0.02%
[[NN NN][V [N N]]]	1	0.02%
[[NN NN][V F]]	1	0.02%
[[NN NN][V FF]]	1	0.02%
[[NN NN][VV A]]	1	0.02%
[[NN NNN][A V]]	1	0.02%
[[NN V][F V]]	1	0.02%
[[NN V][NN V]]	1	0.02%
[[NN VV][[[V F] NN][V NN]]]	1	0.02%

[[NN VV][[B V] V]]	1	0.02%
[[NN VV][[N F] V]]	1	0.02%
[[NN VV][[V F] N]]	1	0.02%
[[NN VV][[V N] V]]	1	0.02%
[[NN VV][[V NN] F]]	1	0.02%
[[NN VV][AA V]]	1	0.02%
[[NN VV][B VV]]	1	0.02%
[[NN VV][F [V F]]]	1	0.02%
[[NN VV][F VV]]	1	0.02%
[[NN VV][FF N]]	1	0.02%
[[NN VV][L [F N]]]	1	0.02%
[[NN VV][NN NN]]	1	0.02%
[[NN VV][V [F V]]]	1	0.02%
[[NN VV][V AA]]	1	0.02%
[[NN VV][VV F]]	1	0.02%
[[NN VV][VV V]]	1	0.02%
[[NNN F] N]	1	0.02%
[[NNN F][A NN]]	1	0.02%
[[NNN F][N [V N]]]	1	0.02%
[[NNN F][V NN]]	1	0.02%
[[NNN F][VV F]]	1	0.02%
[[NNN NN][AA [L VV]]]	1	0.02%
[[NNN NNN][V NN]]	1	0.02%
[[V [[FF F] N]][[V F] V]]	1	0.02%
[[V [B V]] NNN]	1	0.02%
[[V [F [N F]]][A VV]]	1	0.02%
[[V [F [N F]]][V NN]]	1	0.02%
[[V [F [NN F]]][V NN]]	1	0.02%
[[V [F NN]] V]	1	0.02%
[[V [F NN]][[V F] A]]	1	0.02%
[[V [F NN]][[VV F] N]]	1	0.02%
[[V [F NN]][B [V N]]]	1	0.02%
[[V [F NN]][B NN]]	1	0.02%
[[V [F NN]][F [V N]]]	1	0.02%
[[V [F NN]][L NN]]	1	0.02%
[[V [F NN]][N [V N]]]	1	0.02%

[[V [F NN]][V [B V]]]	1	0.02%
[[V [F NN]][V AA]]	1	0.02%
[[V [F NN]][V FF]]	1	0.02%
[[V [F NN]][VV [NN N]]]	1	0.02%
[[V [F NN]][VV F]]	1	0.02%
[[V [F NN]][VV N]]	1	0.02%
[[V [F V]] F]	1	0.02%
[[V [L AA]][V NN]]	1	0.02%
[[V [L AA]][V VV]]	1	0.02%
[[V [N NN]][V NN]]	1	0.02%
[[V [V [F N]]][V [F N]]]	1	0.02%
[[V [V [F N]]][V NN]]	1	0.02%
[[V [V NN]][V NN]]	1	0.02%
[[V A][F VV]]	1	0.02%
[[V F][[A N][V AA]]]	1	0.02%
[[V F][[F F] NN]]	1	0.02%
[[V F][[N F] NN]]	1	0.02%
[[V F][[N F][[N F] N]]]	1	0.02%
[[V F][[N F][A N]]]	1	0.02%
[[V F][[N F][V [A V]]]]	1	0.02%
[[V F][[NN NN] N]]	1	0.02%
[[V F][[V F][V AA]]]	1	0.02%
[[V F][[V N][B [V N]]]]	1	0.02%
[[V F][[V N][V NN]]]	1	0.02%
[[V F][A [L F]]]	1	0.02%
[[V F][AA V]]	1	0.02%
[[V F][B VV]]	1	0.02%
[[V F][F [[N F][[A L] N]]]]	1	0.02%
[[V F][F [A N]]]	1	0.02%
[[V F][N [A N]]]	1	0.02%
[[V F][N F]]	1	0.02%
[[V F][NN [N NN]]]	1	0.02%
[[V F][NN [V AA]]]	1	0.02%
[[V F][NN [V NN]]]	1	0.02%
[[V F][NN [V V V]]]	1	0.02%
[[V F][V [A V]]]	1	0.02%

[[V F][V [F N]]]	1	0.02%
[[V F][V [F V]]]	1	0.02%
[[V F][V [V N]]]	1	0.02%
[[V F][V F][V F]]	1	0.02%
[[V F][V N]]	1	0.02%
[[V F][V NN]]	1	0.02%
[[V F][V WW]]	1	0.02%
[[V F][VV [A N]]]	1	0.02%
[[V F][VV [A NN]]]	1	0.02%
[[V F][VV N]]	1	0.02%
[[V F][VV NN]]	1	0.02%
[[V F][WW [V NN]]]	1	0.02%
[[V FF][AAAA [V NN]]]	1	0.02%
[[V FF][V NN]]	1	0.02%
[[V FF][VV N]]	1	0.02%
[[V L][[N F][A NN]]]	1	0.02%
[[V N] NN]	1	0.02%
[[V N][[B V] N]]	1	0.02%
[[V N][[B V][[[N F] F] N]]]	1	0.02%
[[V N][[F F][V [F N]]]]	1	0.02%
[[V N][[V F] V]]	1	0.02%
[[V N][[V F][NN V]]]	1	0.02%
[[V N][[V N][F [V N]]]]	1	0.02%
[[V N][A [V N]]]	1	0.02%
[[V N][A VV]]	1	0.02%
[[V N][B [V N]]]	1	0.02%
[[V N][F VV]]	1	0.02%
[[V N][VV [V [F N]]]]	1	0.02%
[[V NN] F]	1	0.02%
[[V NN][[V F][V NN]]]	1	0.02%
[[V NN][V N]]	1	0.02%
[[V NNNN][V VV]]	1	0.02%
[[V V V V][NN V]]	1	0.02%
[[V V V V][V NN]]	1	0.02%
[[V V] N]	1	0.02%
[[V V][[N F][A NN]]]	1	0.02%

[[V V][[NN F][A NN]]]	1	0.02%
[[V V][F [F [NN V]]]]	1	0.02%
[[V VV][[N F] NN]]	1	0.02%
[[V VV][A A]]	1	0.02%
[[V W][[V F][A AA]]]	1	0.02%
[[V W][L [[F F][AA N]]]]	1	0.02%
[[VV [A N]][F VV]]	1	0.02%
[[VV [A N]][V [A N]]]	1	0.02%
[[VV [A NN]][L NN]]	1	0.02%
[[VV [B N]][V [F N]]]	1	0.02%
[[VV [B V]][AA V]]	1	0.02%
[[VV [F N]][F VV]]	1	0.02%
[[VV [N F]][V [N F]]]	1	0.02%
[[VV [V V]][A VV]]	1	0.02%
[[VV F] F]	1	0.02%
[[VV F][[[F V] F] N]]	1	0.02%
[[VV F][[F F] N]]	1	0.02%
[[VV F][[F F][A NN]]]	1	0.02%
[[VV F][[N F] NN]]	1	0.02%
[[VV F][A NN]]	1	0.02%
[[VV F][N F]]	1	0.02%
[[VV F][NN F]]	1	0.02%
[[VV FF][V NN]]	1	0.02%
[[VV N] F]	1	0.02%
[[VV N][V [W [V NN]]]]	1	0.02%
[[VV N][VV N]]	1	0.02%
[[VV NN] VV]	1	0.02%
[[VV NN][[A V] N]]	1	0.02%
[[VV NN][[B V] F]]	1	0.02%
[[VV NN][[F N] V]]	1	0.02%
[[VV NN][[V [B V]] N]]	1	0.02%
[[VV NN][[V F] V]]	1	0.02%
[[VV NN][[V N] F]]	1	0.02%
[[VV NN][A [B V]]]	1	0.02%
[[VV NN][B [A V]]]	1	0.02%
[[VV NN][B VV]]	1	0.02%

[[VV NN][F VV]]	1	0.02%
[[VV NN][NN N]]	1	0.02%
[[VV NN][V [A N]]]	1	0.02%
[[VV NN][V [B V]]]	1	0.02%
[[VV NN][V [N F]]]	1	0.02%
[[VV NN][V FF]]	1	0.02%
[[VV NN][VV F]]	1	0.02%
[[VV NNN][V [B V]]]	1	0.02%
[[VV V][V NN]]	1	0.02%
[[VV VV VV][V NN]]	1	0.02%
[[VV VV VV][VV N]]	1	0.02%
[[VV VV][[A F][V NN]]]	1	0.02%
[[VV VV][[F N] V]]	1	0.02%
[[VV VV][[N F] V]]	1	0.02%
[[VV VV][AA V]]	1	0.02%
[[VV VV][F NN]]	1	0.02%
[[VV VV][V [B V]]]	1	0.02%
[[VV VV][V [V N]]]	1	0.02%
[[VV VV][VV N]]	1	0.02%
[[VV VV]][NN V]]	1	0.02%
[[VV WW] F]	1	0.02%
[[W F] N]	1	0.02%
[[WW [V F]][F [[F F] VV]]]	1	0.02%
[[WW [V N]] V]	1	0.02%
[[WW NN][V [B V]]]	1	0.02%
[[WW NN][V [V NNN]]]	1	0.02%
[[WW NN][V [VV F]]]	1	0.02%
[A [[F NN][V VV]]]	1	0.02%
[A [[V [N F]][AA V]]]	1	0.02%
[A [[V [N N]][V [A N]]]]	1	0.02%
[A [[V NN][V [A V]]]]	1	0.02%
[A [B [VV [[N F][NN N]]]]]	1	0.02%
[A [F A]]	1	0.02%
[A [F V]]	1	0.02%
[A [F VV]]	1	0.02%
[A [N F]]	1	0.02%

[A [V [[F [N F]][V NN]]]]	1	0.02%
[A [V [[N F][A NN]]]]	1	0.02%
[A [V [V NN]]]	1	0.02%
[A [V A]]	1	0.02%
[A [V FF]]	1	0.02%
[A [V NN]]	1	0.02%
[AA [[A V][[N F] N]]]	1	0.02%
[AA [[B F][V NN]]]	1	0.02%
[AA [[B V] F]]	1	0.02%
[AA [[B V][NN N]]]	1	0.02%
[AA [[F F][A NN]]]	1	0.02%
[AA [[F NN][V AA]]]	1	0.02%
[AA [[N F][A NN]]]	1	0.02%
[AA [[N F][V [F N]]]]	1	0.02%
[AA [[NN F] NN]]	1	0.02%
[AA [[V [F [N F]]][V [A V]]]]	1	0.02%
[AA [[V F] NNN]]	1	0.02%
[AA [A [F V]]]	1	0.02%
[AA [A [N N]]]	1	0.02%
[AA [A [V N]]]	1	0.02%
[AA [A NN]]	1	0.02%
[AA [A VV]]	1	0.02%
[AA [AA [[V N] V]]]	1	0.02%
[AA [AA [V [B V]]]]	1	0.02%
[AA [F [F [V [B V]]]]]	1	0.02%
[AA [F [V [AA N]]]]	1	0.02%
[AA [L [A N]]]	1	0.02%
[AA [L [F NN]]]	1	0.02%
[AA [L F]]	1	0.02%
[AA [L NN]]	1	0.02%
[AA [N [V N]]]	1	0.02%
[AA [N NN]]	1	0.02%
[AA [NN [B VV]]]	1	0.02%
[AA [NN [V FF]]]	1	0.02%
[AA [V [[N F][[A A] N]]]]	1	0.02%
[AA [V [A V]]]	1	0.02%

[AA [V [L [F NN]]]]	1	0.02%
[AA [V [L [NN F]]]]	1	0.02%
[AA [V [N N]]]	1	0.02%
[AA [V [W N]]]	1	0.02%
[AA [V F]]	1	0.02%
[AA [V N]]	1	0.02%
[AA [V VV]]	1	0.02%
[AA [VV [A N]]]	1	0.02%
[AA [VV F]]	1	0.02%
[AA [VV N]]	1	0.02%
[AA [VV V]]	1	0.02%
[AA AA]	1	0.02%
[AA L]	1	0.02%
[AAA VV]	1	0.02%
[B L]	1	0.02%
[BB [VV [F VV]]]	1	0.02%
[F [[[A NN] F] N]]	1	0.02%
[F [[F [[NN F] NN]][V [A V]]]]	1	0.02%
[F [[F N][V V]]]	1	0.02%
[F [[F NN] V]]	1	0.02%
[F [[F NN][[F N] V]]]	1	0.02%
[F [[F NN][[L N] V]]]	1	0.02%
[F [[F NN][A VV]]]	1	0.02%
[F [[F NN][L NN]]]	1	0.02%
[F [[F NN][NN V]]]	1	0.02%
[F [[F NN][V [F N]]]]	1	0.02%
[F [[F NN][V [V N]]]]	1	0.02%
[F [[F V][F [[W N] N]]]]	1	0.02%
[F [[F V][F [NN F]]]]	1	0.02%
[F [[N F][A NN]]]	1	0.02%
[F [[V NN][V FF]]]	1	0.02%
[F [[V NN][VV N]]]	1	0.02%
[F [[V V][[[N F] F] NN]]]	1	0.02%
[F [A [[A V][V [A V]]]]]	1	0.02%
[F [A [AA V]]]	1	0.02%
[F [AA [[[B V] NN] V]]]	1	0.02%

[F [AA [[V F][AA N]]]]	1	0.02%
[F [AA VV]]	1	0.02%
[F [B VV]]	1	0.02%
[F [F [V [[N F][A NN]]]]]	1	0.02%
[F [F [V [F [A NN]]]]]	1	0.02%
[F [F [V [VV F]]]]	1	0.02%
[F [F [V NNN]]]	1	0.02%
[F [F [VV F]]]	1	0.02%
[F [F VV]]	1	0.02%
[F [L [[AA F] NN]]]	1	0.02%
[F [L [[F F][A NN]]]]	1	0.02%
[F [L [[N F][A N]]]]	1	0.02%
[F [L [AA [A NN]]]]	1	0.02%
[F [L [AA NN]]]	1	0.02%
[F [L [V [N V]]]]	1	0.02%
[F [L VV]]	1	0.02%
[F [L W]]	1	0.02%
[F [NN [A NN]]]	1	0.02%
[F [NN [V F]]]	1	0.02%
[F [NN VV]]	1	0.02%
[F [V [[F F][V [F N]]]]]	1	0.02%
[F [V [[V F][V [A V]]]]]	1	0.02%
[F [V [AA [A NN]]]]	1	0.02%
[F [V [N NN]]]	1	0.02%
[F [V [NN [B NN]]]]	1	0.02%
[F [V [V [A V]]]]	1	0.02%
[F [V [V N]]]	1	0.02%
[F [V [V NN]]]	1	0.02%
[F [V [VV [[F F] N]]]]	1	0.02%
[F NNN]	1	0.02%
[FF [AA [F VV]]]	1	0.02%
[FF [L [A NN]]]	1	0.02%
[FF [V [B V]]]	1	0.02%
[FF [VV VV]]	1	0.02%
[FF NNN]	1	0.02%
[FF]	1	0.02%

[L [F [[AA F][A NN]]]]	1	0.02%
[L WW]	1	0.02%
[N [A NN]]	1	0.02%
[N [A VV]]	1	0.02%
[N [B L]]	1	0.02%
[N [F [V NN]]]	1	0.02%
[N [F N]]	1	0.02%
[N [L [[B V] V]]]	1	0.02%
[N [L [NN [V NN]]]]	1	0.02%
[N [L [NN V]]]	1	0.02%
[N [L [VV N]]]	1	0.02%
[N [L NNN]]	1	0.02%
[N [L WW]]	1	0.02%
[N [NN [V [A V]]]]	1	0.02%
[N [NN [V FF]]]	1	0.02%
[N [NN [V NN]]]	1	0.02%
[N [NN NN]]	1	0.02%
[N [V [[N F][A NN]]]]	1	0.02%
[N [V [V NN]]]	1	0.02%
[N [V FF]]	1	0.02%
[N N N N N N]	1	0.02%
[N NNN]	1	0.02%
[NN [[B V] F] VV]]	1	0.02%
[NN [[[F F] N] F]]	1	0.02%
[NN [[[V F] F] VV]]	1	0.02%
[NN [[A A][V AA]]]	1	0.02%
[NN [[A F][AA V]]]	1	0.02%
[NN [[A L] NNN]]	1	0.02%
[NN [[A L][[F F] N]]]	1	0.02%
[NN [[A L][A NN]]]	1	0.02%
[NN [[A V] V]]	1	0.02%
[NN [[A V][A VV]]]	1	0.02%
[NN [[A V][AA V]]]	1	0.02%
[NN [[A V][L VV]]]	1	0.02%
[NN [[A V][N [F N]]]]	1	0.02%
[NN [[A V][N N N]]]	1	0.02%

[NN [[A V][NN N]]]	1	0.02%
[NN [[A V][V NN]]]	1	0.02%
[NN [[A V][VV N]]]	1	0.02%
[NN [[AA F] V]]	1	0.02%
[NN [[B A][V V V]]]	1	0.02%
[NN [[B V] F]]	1	0.02%
[NN [[B V] N]]	1	0.02%
[NN [[B V][V WW]]]	1	0.02%
[NN [[F [N F]][VV VV]]]	1	0.02%
[NN [[F F][V AA]]]	1	0.02%
[NN [[F N] V]]	1	0.02%
[NN [[F N][VV V]]]	1	0.02%
[NN [[F NN][L NN]]]	1	0.02%
[NN [[F NN][VV F]]]	1	0.02%
[NN [[F V][[N F] N]]]	1	0.02%
[NN [[F VV] F]]	1	0.02%
[NN [[FF FF] V]]	1	0.02%
[NN [[NN F] V]]	1	0.02%
[NN [[V [F NN]] V]]	1	0.02%
[NN [[V F] AAA]]	1	0.02%
[NN [[V F] N]]	1	0.02%
[NN [[V F][[F N] V]]]	1	0.02%
[NN [[V F][A VV]]]	1	0.02%
[NN [[V F][N VV]]]	1	0.02%
[NN [[V F][V [A V]]]]	1	0.02%
[NN [[V F][V [B V]]]]	1	0.02%
[NN [[V F][V AA]]]	1	0.02%
[NN [[V N][A [V N]]]]	1	0.02%
[NN [[V N][V [V N]]]]	1	0.02%
[NN [[V NN][F [NN NN]]]]	1	0.02%
[NN [[VV NN] V]]	1	0.02%
[NN [[W F] N]]	1	0.02%
[NN [A [[F [N F]] V]]]	1	0.02%
[NN [A [[F NN] V]]]	1	0.02%
[NN [A [L N]]]	1	0.02%
[NN [A [V V]]]	1	0.02%

[NN [A NN]]	1	0.02%
[NN [AA [[A V] V]]]	1	0.02%
[NN [AA [AA V]]]	1	0.02%
[NN [AA [F VV]]]	1	0.02%
[NN [AA [V [F F]]]]	1	0.02%
[NN [AA [V [V N]]]]	1	0.02%
[NN [AA [V FF]]]	1	0.02%
[NN [AA [VV F]]]	1	0.02%
[NN [AA [VV N]]]	1	0.02%
[NN [B [L N]]]	1	0.02%
[NN [B [V N]]]	1	0.02%
[NN [FF [V NN]]]	1	0.02%
[NN [L [F [A NN]]]]	1	0.02%
[NN [L VV]]	1	0.02%
[NN [L WW]]	1	0.02%
[NN [N F]]	1	0.02%
[NN [N FF]]	1	0.02%
[NN [NN [V [V N]]]]	1	0.02%
[NN [NN [V VV]]]	1	0.02%
[NN [NN VV]]	1	0.02%
[NN [V [[B F] F]]]	1	0.02%
[NN [V [[F NN] V]]]	1	0.02%
[NN [V [[N F] N]]]	1	0.02%
[NN [V [[NN F] NNN]]]	1	0.02%
[NN [V [A [[AA F] NN]]]]	1	0.02%
[NN [V [B VV]]]	1	0.02%
[NN [V [F [[A N] F]]]]	1	0.02%
[NN [V [F [N F]]] F]]	1	0.02%
[NN [V [F [NN N]]]]	1	0.02%
[NN [V [F NNN]]]	1	0.02%
[NN [V [V [AA N]]]]	1	0.02%
[NN [V [W F]]]	1	0.02%
[NN [V WW]]	1	0.02%
[NN [VV [L NN]]]	1	0.02%
[NN [VV [NN N]]]	1	0.02%
[NN [VV [NN V]]]	1	0.02%

[NN [VV [V [N F]]]]	1	0.02%
[NN [VV [V NN]]]	1	0.02%
[NN [VV A]]	1	0.02%
[NN [VV NN]]	1	0.02%
[NN [VV NNN]]	1	0.02%
[NN [VV V]]	1	0.02%
[NN [VV VV]]	1	0.02%
[NN NN N]	1	0.02%
[NN NNN]	1	0.02%
[NNN [[A L][V F]]]	1	0.02%
[NNN [[V F] V]]	1	0.02%
[NNN [F [A VV]]]	1	0.02%
[NNN [F [V [A V]]]]	1	0.02%
[NNN [F [VV N]]]	1	0.02%
[NNN [V [A V]]]	1	0.02%
[NNN [V [V N]]]	1	0.02%
[NNN [V F]]	1	0.02%
[NNN [V NNN]]	1	0.02%
[NNN [V VV]]	1	0.02%
[NNN [VV V]]	1	0.02%
[NNN NNN]	1	0.02%
[NNN VV]	1	0.02%
[NNNN [[V F] V]]	1	0.02%
[NNNN [[V N] N]]	1	0.02%
[NNNN [A VV]]	1	0.02%
[NNNN [AA V]]	1	0.02%
[NNNN [L NN]]	1	0.02%
[NNNN [V [V N]]]	1	0.02%
[NNNN N]	1	0.02%
[NNNNNN]	1	0.02%
[NNNNNNN]	1	0.02%
[V [[F [A N]] V]]	1	0.02%
[V [[F F] NN]]	1	0.02%
[V [[F NN][V NN]]]	1	0.02%
[V [[N F] NNN]]	1	0.02%
[V [[N F][A NN]]]	1	0.02%

[V [[N F][F VV]]]	1	0.02%
[V [A [V [B V]]]]	1	0.02%
[V [A NNN]]	1	0.02%
[V [AA NNN]]	1	0.02%
[V [B A]]	1	0.02%
[V [B F]]	1	0.02%
[V [F [[A N] F]]]	1	0.02%
[V [F [[AA F] NN]]]	1	0.02%
[V [F [[AA NN] F]]]	1	0.02%
[V [F [[N F] N]]]	1	0.02%
[V [F [[N F][AA N]]]]	1	0.02%
[V [F [[W F][A NN]]]]	1	0.02%
[V [F [F NN]]]	1	0.02%
[V [F [N F]]]	1	0.02%
[V [F [N NN]]]	1	0.02%
[V [F [NN [V NN]]]]	1	0.02%
[V [F [NN V]]]	1	0.02%
[V [F AA]]	1	0.02%
[V [F NNN]]	1	0.02%
[V [N N]]	1	0.02%
[V [N V]]	1	0.02%
[V [V [[F F][A NN]]]]	1	0.02%
[V [V [A NN]]]	1	0.02%
[V [V [N NN]]]	1	0.02%
[V [V [NN [F NN]]]]	1	0.02%
[V V V V]	1	0.02%
[V V]	1	0.02%
[VV [[[B F] NN] V]]	1	0.02%
[VV [[[N F] F][A NN]]]	1	0.02%
[VV [[A V][N [A N]]]]	1	0.02%
[VV [[AA F][A NN]]]	1	0.02%
[VV [[F F] NN]]	1	0.02%
[VV [[N F][A N]]]	1	0.02%
[VV [[N F][NN N]]]	1	0.02%
[VV [[N FF] NN]]	1	0.02%
[VV [[NN F] NN]]	1	0.02%

[VV [[NN F][A NN]]]	1	0.02%
[VV [[NNN F] N]]	1	0.02%
[VV [[V F] V]]	1	0.02%
[VV [[V F][V [A V]]]]	1	0.02%
[VV [[V F][V NN]]]	1	0.02%
[VV [A [V [[N F] N]]]]	1	0.02%
[VV [A N]]	1	0.02%
[VV [A VV]]	1	0.02%
[VV [AA [A NN]]]	1	0.02%
[VV [B VV]]	1	0.02%
[VV [F [[AA F] N]]]	1	0.02%
[VV [F [A VV]]]	1	0.02%
[VV [F [B V]]]	1	0.02%
[VV [F [F [VV F]]]]	1	0.02%
[VV [F [V [W NN]]]]	1	0.02%
[VV [L [[NN F][NN N]]]]	1	0.02%
[VV [L VV]]	1	0.02%
[VV [N V]]	1	0.02%
[VV [N VV]]	1	0.02%
[VV [NN [[N F][N NN]]]]	1	0.02%
[VV [NN [[V N] N]]]	1	0.02%
[VV [NN [N F]]]	1	0.02%
[VV [NN [NN F]]]	1	0.02%
[VV [NN [V [F [A NN]]]]]	1	0.02%
[VV [V [F [AA N]]]]	1	0.02%
[VV [V AA]]	1	0.02%
[VV [VV [NN N]]]	1	0.02%
[VV [VV N]]	1	0.02%
[VV AA]	1	0.02%
[VV NNNN]	1	0.02%
[VVVV [V [B A]]]	1	0.02%
[VVVV NNN]	1	0.02%
[W [V N]]	1	0.02%
[W [V W]]	1	0.02%
[WW NN]	1	0.02%
[WW V]	1	0.02%

[WWW V]	1	0.02%
TOTAL	**4172**	**100.00%**

WORD LENGTH

Word Category	Total #	Percentage
A	1063	7.24%
AA	387	2.64%
AAA	2	0.01%
AAAA	1	0.01%
N	2496	17.00%
NN	3129	21.31%
NNN	201	1.37%
NNNN	20	0.14%
NNNNN	2	0.01%
NNNNNN	1	0.01%
NNNNNNN	1	0.01%
V	3227	21.97%
VV	1174	7.99%
VVV	1	0.01%
VVVV	7	0.05%
Others	2974	20.25%
TOTAL	**14686**	**100.00%**

APPENDIX V

THE PARSING OF METRICAL LINES

Demibeats	Demibeat Grouping[34]	Total # of Lines	Example	
1	1	58	(FR-009-1-1)	變
2	2	144	(FR-085-1-1)	關門
3	3	1503	(FR-007-2)	爬樓梯
4	4	348	(FR-014-4)	裝進盒子
	4 (1+3)	1	(FR-526-2)	有綠毛毛蟲
5	5	623	(FR-011-6)	變成十指山
	5 (1+4)	1	(FR-681-10)	十安靜兒歌
6	6	86	(FR-136-6-1)	小手小手拍拍
	6 (3+3)	80	(FR-164-5)	排排坐吃果果
7	7	1245	(FR-028-1)	大姆哥來倒點油
	7 (3+4)	5	(FR-577-5)	小寶寶乖乖睡覺
8	8	26	(FR-609-1)	十根香腸躺在鍋裡
	8 (3+5)	9	(FR-178-4)	爸爸怕媽媽的高跟鞋
	8 (5+3)	2	(FR-670-2)	樓下三匹馬在吃草
9	9	25	(FR-111-1-3)	變成變成變成毛毛蟲
10	10	4	(FR-609-5)	剩下六根香腸躺在鍋裡
	10 (3+7)	3	(FR-645-2)	小蝸牛背著房子慢慢走
	10 (7+3)	7	(FR-533-3)	咕咕雞啊咕咕雞真高興
11	11	2	(FR-594-2)	清早起床提著花籃上市場
TOTAL		4172		

---

[34] In this analysis, I skip the emphasis scansion, where the penultimate syllable would be lengthened and leave the final syllable alined to an independent demibeat. Take a hepta-syllabic line for example: *xiao baobao guaiguai shuijiao* 'The little baby, tightly sleep.' This line can be scanned into (a) 3+4: (*xiao baobao*) (*guaiguai shuijiao*) (b) 3+4+1: (*xiao baobao*) (*guaiguai shu*) (*ijiao*).

DIRECTORY OF FINGER MOVEMENTS[35]

■ *Baobei Shouzhiyao 1* [Baby Finger Plays 1]

篇名	手指收緊	手指伸展	單指操作	指腹力量	指尖力量	十指交叉	抓握能力	瞬間抓握	手掌拍擊	手腕轉動	單邊動作	雙手輪轉	雙手平行移動	雙手瞬間移動	雙手配合
噗	■									■					■
做餅乾		■							■		■				■
風車		■								■					
白雲飄	■	■						■					■		■
寶寶唱歌	■		■						■		■				
羞羞羞			■		■										
握握手							■						■		■
躲貓貓														■	■
關門·開門	■	■													■
娃娃睡著了									■				■		■
大跟頭				■								■			■

篇名	手指收緊	手指伸展	單指操作	單指力量	指腹力量	指尖力量	雙指合作	十指交叉	彈指技巧	瞬間抓握	雙手拍擊	雙掌配合	手腕力量	雙手輪轉	爽手合作
捏一捏				■	■										■
小花瓣	■	■								■					■
小鎚子	■														■
《ㄡˇ《ㄡˇ《ㄟ				■		■									

■ *Baobei Shouzhiyao 2* [Baby Finger Plays 2]

篇名	手指收緊	手指伸展	單指操作	單指力量	指腹力量	指尖力量	雙指合作	十指交叉	彈指技巧	瞬間抓握	雙手拍擊	雙掌配合	手腕力量	雙手輪轉	爽手合作
點點兵		■	■							■					■
小螞蟻															■
兩隻小鳥搶蟲吃			■	■											■
爬樓梯							■						■		
喀擦‧喀擦							■								■
變變變	■	■									■	■		■	■
一個大氣球		■						■			■	■			■
十指山	■	■			■										
小泡泡						■			■		■				■
乾杯		■						■					■		
四個大輪子	■	■											■	■	■
什麼聲音	■		■			■									
蚌殼					■		■						■		■
太陽出來了	■	■											■		■

篇名	手指收緊	手指伸展	單指操作	手指互碰	雙指合作	十指交叉	手指併攏	彈指技巧	十指靈活	抓握能力	掌心畫圈	雙掌配合	手腕靈活	手臂垂直移動	雙手協調
盪秋千						●	●	●					●		●

■ *Baobei Shouzhiyao 3* [Baby Finger Plays 3]

篇名	手指收緊	手指伸展	單指操作	手指互碰	雙指合作	十指交叉	手指併攏	彈指技巧	十指靈活	抓握能力	掌心畫圈	雙掌配合	手腕靈活	手臂垂直移動	雙手協調
漢堡・薯條									●		●	●			●
小妞妞	●		●		●								●		●
十個朋友齊步走							●		●						●
左手・右手				●					●	●		●		●	●
大花・小花	●	●					●			●		●			●
螃蟹回家	●	●							●						●
小蝴蝶		●							●				●		●
毛毛雨唱歌			●						●					●	●
小鳥飛							●		●				●		●
炒蛋	●	●	●	●	●										●
小彈珠					●			●					●		●
現在幾點鐘	●		●			●				●					●
湯匙・叉子・筷子	●				●		●								●
小狗玩皮球	●		●									●			●
這裡就是我的家		●	●	●									●	●	●