Recall our two structural analyses of "list all flights on Tuesday": here we use a "linear" notation (more compact than trees) with brackets indicating some of the constituents:

- Terminals: list, all, flights, on, Tuesday
- Non-terminals: S, NP, N', PP, V, DET, N, P

Start non-terminal: S

Rewrite rules:

1. S → V NP
2. S → V NP PP
3. V → list
4. NP → DET N
5. NP → DET N'
6. DET → all
7. N → flights
8. N' → N PP
9. PP → P NP
10. P → on
11. NP → N
12. N → Tuesday

More examples

- What sentences does the CFG with terminals a, b, single (and hence start) non-terminal S, and rewrite rules 'S → a' and 'S → aSb' produce?

Recall that XP is equivalent to X''.