Example:

Using the following CFG in CNF and the CKY algorithm find all parses of the sentence:
"Can I walk through the forest at night"

| Grammar | Lexicon |
|---|---|
| S→ VP | Det→that |
| S→ NP VP | Det→a |
| S→X VP | Det→the |
| X → Aux NP | Noun→money |
| NP→ Nominal | Noun→flights |
| NP→ Pronoun | Noun→dinner |
| NP→ Proper-Noun | Noun→ night |
| NP→ Det Nominal | Verb→book |
| Nominal→ Noun | Verb→prefer |
| Nominal→Nominal Noun | Verb→ walk |
| Nominal→Nominal PP | Pronoun→I |
| VP→Verb | Pronoun→she |
| VP→Verb NP | Pronoun→me |
| VP→Verb PP | Pronoun→you |
| VP→X2 PP | Proper-Noun→Houston |
| VP→X2 NP | Proper-Noun→NWA |
| X2 → Verb NP | Aux→does |
| VP→VP PP | Aux→can |
| PP→Preposition NP | Preposition→to |
| | Preposition→on |
| | Preposition→through |
| | Preposition → at |