

Textual - Grammars

- Regular expressions

`sel-line click click* dble-click`

- compare with JSD

- same computational model
- different notation

- Backus-Naur Form (BNF)

```
expr ::= empty
      | atom expr
      | '(' expr ')' expr
```

- more powerful than regular exp. or STNs
- Still NO concurrent dialogue

Backus-Naur Form (BNF)

- Very common notation from computer science
- A purely syntactic view of the dialogue
- Terminals
 - lowest level of user behavior
 - e.g. CLICK-MOUSE, MOVE-MOUSE
- Nonterminals
 - ordering of terminals
 - higher level of abstraction
 - e.g. select-menu, position-mouse

Production rules

- Unordered list of rules:

if *condition* **then** *action*

- condition based on state or pending events
 - every rule always potentially active
- Good for concurrency
 - Bad for sequence