Chomsky Normal Form
A CFG G is in CNF if every  production is of the form  A -> BC or A -> 6 06 ?
CNF grammars de not generale E
- Remove A→ E
- For every production B-> ~ AB
Add $R \rightarrow \alpha \beta$ $B = \alpha_1 A \alpha_2 A \alpha_3$
$B = \alpha_1 A \alpha_2 A \alpha_3   \alpha_1 \alpha_2 A \alpha_3   \alpha_1 A \alpha_2 \alpha_3   \alpha_1 \alpha_2 \alpha_3$
- Remove A-3B
Replace B->B with A->B
Eg: S -> ASA   aB So -> S
$A \rightarrow B \mid S$ $A \rightarrow B \mid S$ $A \rightarrow B \mid S$ $B \rightarrow b \mid \varepsilon$ $C \rightarrow b \mid \varepsilon$