

$$G = (\{S, A, B, C, D, E\}, \{a, b, c, d\}, R, S)$$

- R:
- $S \rightarrow ABC \mid BC$
  - $A \rightarrow AD$
  - $B \rightarrow DA \mid DD \mid \epsilon \mid b$
  - $C \rightarrow DB \mid AA$
  - $D \rightarrow c \mid B$
  - $E \rightarrow d \mid D$

Co-erreichbar

Alt =  $\emptyset$   
 Neu =  $\{B, D, E\}$

Alt  $\neq$  Neu

Alt :=  $\{B, D, E\}$   
 Neu :=  $\{B, D, E\} \cup \{c, B, D, E\}$   
 $\downarrow$   $B \rightarrow DD$   $e \rightarrow D$   
 $\downarrow$   $\downarrow$   
 $C \rightarrow DB \in R$   $D \rightarrow B \in R$

=  $\{B, D, E, C\}$

Alt  $\neq$  Neu

Alt :=  $\{B, D, E, C\}$   
 Neu =  $\{B, D, E, C\} \cup \{S\}$

Alt  $\neq$  Neu  $S \rightarrow BC \in R$

Alt =  $\{B, D, E, C, S\}$

Neu =  $\{B, D, E, C, S\}$

Alt = Neu

Co-erreichbar:  $\{B, D, E, C, S\}$

Erreichbar

Alt =  $\emptyset$   
 Neu :=  $\{S\}$

Alt  $\neq$  Neu

Alt :=  $\{S\}$   
 Neu =  $\{S\} \cup \{A, B, C\}$   
 $S \rightarrow ABC \in R$

Alt  $\neq$  Neu

Alt :=  $\{S, A, B, C\}$   $B \rightarrow b \in R$   
 $\downarrow$   
 Neu =  $\{S, A, B, C\} \cup \{D, b\}$

$\downarrow$   
 $A \rightarrow AD \in R$

Alt  $\neq$  Neu

Alt :=  $\{S, A, B, C, D, b\}$   
 Neu :=  $\{ \dots \} \cup \{c\}$

Alt  $\neq$  Neu

Alt =  $\{S, A, B, C, D, b, c\}$   
 Neu =  $\{ \dots \}$

Alt = Neu

Erreichbar =  $\{S, A, B, C, D, b, c\}$