

3.1)  $R(A, B, C, D, E)$

$D \rightarrow B \quad CE \rightarrow A$

$CE^+ = ACE$

$R_1(A, C, E)$

correct  $CE \rightarrow A$

$R_2(B, C, D, E) \rightarrow A$  is removed

$D^+ = BD$  correct  $D \rightarrow B$

$R(B, D)$

$R_3(C, D, E)$

ii)

$S(A, B, C, D, E)$

$A \rightarrow E$

$DE^+ = DEB$

correct  $DE \rightarrow B$

$BC \rightarrow A$

$S(D, E, B)$

$S(A, C, D, E) \rightarrow B$  is removed

$\rightarrow$  Resolve  $A \rightarrow E$

~~$S(A, C, D, E)$~~

$A^+ = AE$

$S(A, E)$   $S(A, C, D)$

~~$S(A, E)$~~   ~~$S(A, B, C, D)$~~