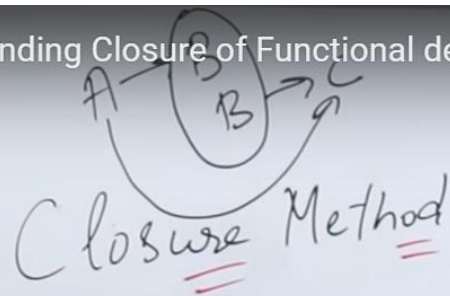


Rel no.



→ Candidate Key

$R(ABCD)$

FD $\{ A \rightarrow B, B \rightarrow C, C \rightarrow D \}$

CK = $\{ A \}$

Prime Attribute
= A

Non Prime = $\{ B, C, D \}$

$A^+ = BCDA$

$B^+ = BCD$

$C^+ = CD$

$D^+ = D$

$(AB)^+ = ABCD$

$AB = CKX$

$\checkmark R(\check{A}\check{B}\check{C}\check{D}\check{E})$

FD = $\{ A \rightarrow B, BC \rightarrow D, E \rightarrow C, D \rightarrow A \}$

$E = BDCA$

$E^+ =$

$R(ABCD)$

FD = $\{ A \rightarrow B, B \rightarrow C, C \rightarrow D \}$

$A^+ = ABCD$

$B^+ = BCDA$

$C^+ = CDAB$

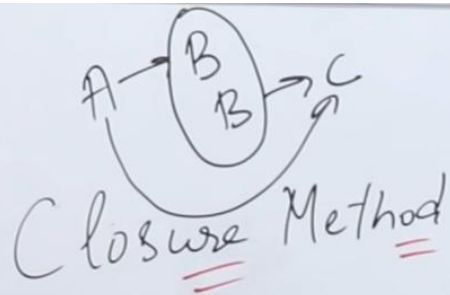
$D^+ = DABC$

CK = $\{ A, B \}$

Prime Attribute = $\{ A, B \}$

Non Prime = $\{ C, D \}$

Relms



→ Candidate Key

$R(ABCD)$

$FD \{ A \rightarrow B, B \rightarrow C, C \rightarrow A \}$

$A^+ = BCDA$

$B^+ = BCD$

$C^+ = CD$

$D^+ = D$

$(AB)^+$

AB
BC
CD
DA

$\checkmark R(\check{A}\check{B}\check{C}\check{D}\check{E})$

$FD = \{ A \rightarrow B, BC \rightarrow D, E \rightarrow C, D \rightarrow A \}$

$E = BDCAE$

$E^+ = EC$

$AE = ABEC D$

$CK = \{ \textcircled{A}E \}$

\downarrow
 $DE^+ = DEABC$

\downarrow
 $BE^+ = BECDA$

\downarrow
 $CE^+ = CEY$

$BE^+ = BECDA$

$CE^+ =$

$DE^+ =$

$CK = \{ AE, DE \}$

\downarrow
 $CK = \{ AE, DE, BE \}$