DBMS: Prajwal Sundar

09 September 2023 20:27 $f = \{A \rightarrow B, B \rightarrow C^{3}\}$ R(ABC) p" = {p} $A^{\dagger} = \{A, B, C\}$ $8 \times 4 = 32$ B AB AC BC B = { B, C } 4 ABC 43 t = 9097 @ functional 4 super keys dependences BC = { B, C } (4) 1 candedate kept

candidate key

- attarbutes neither en left 1 right. (i)
- attributes only on jught. (2)
- attrebutes only on loft.
- 1 0 3
 - Test if closure on @ moludes all attribudes, if yos -> candidate (F)

(1) And attributes that are on both sides (ii) Find closure of come attropiontes +

one exterior attribute taken one at a time

R (ABCDEFG)

$$F = \{AB \rightarrow F, AD \rightarrow E, F \rightarrow G\}$$

O C 2 EG 3 ABD 4 ABCD

ABCD = \{ABCD} = \{A, B, C, P, E, F, G\}

$$R(ABCP) \qquad F = \{ABC \rightarrow P \mid D \rightarrow AY\}$$

$$(BC)^{+} = \{B, C\}$$

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$$ABC \rightarrow P \mid D \rightarrow AY$$

$$(BC)^{+} = \{B, C\}$$

$$ABC \rightarrow P \mid D \rightarrow AY$$

$$(BC)^{+} = \{A, B, C, P\}$$

$$ABC \rightarrow P \mid D \rightarrow AY$$

$$BC \rightarrow BC$$

$$ABC \rightarrow P \mid D \rightarrow AY$$

$$ABC \rightarrow P \mid D \rightarrow$$

R(ABCDEF)

$$f = \int \mathcal{D} F \rightarrow (\gamma BC \rightarrow F, E \rightarrow A, ABC \rightarrow E \hat{g})$$

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(1) \$ (2) \$ p (BD) = { B, D } × 3 (i) ACEF BDAC (BDACE (BOA) = & A,B,D, X BDA BDACE BOC (BDC) = { B,C,D,F } X BD AF BD E BOCEF (BDE) = { B, D, E,} X BDCE (BOF BOCF (BDF) = { B,D,F,eyx BDACEF (BDAC) = { A, B, C, D, E, F) ($(BDAE)^{\dagger} = \{A, B, D, \epsilon\}$ (BDAF) = { A, B, D, F, C, €) 9 suppor (BRE) = { B,C,D, E, F, A } ((BDCF) = {B,C,D,F) X (BDEF) = {B,D,E,F,c,A30 R(ABCDE) {AB > C, C>D, B > AE) (A) B 3 B = { B, A, €, c, D3 SUPPRE - B [A+R+DHE] candidate = B and bey