9631407 - 19189'de

تمين سي سنم

1

R, UR2 = (9 b, c, d, e, f, g) = R 2

 $R_1 \cap R_2 = (a, e) \neq \emptyset$ II

{RIM2y'={a,ey'=R, RINR2CR

D, III, III - 2005 less Decomposition

ill)
$$p$$
 \rightarrow) {a, b, e} $\stackrel{?}{=}$ $\frac{ab \rightarrow c}{=}$ {a, b, c, e} $\stackrel{?}{=}$ $\stackrel{?}{=}$ {a, b, c, d, e, f} = R

Union rule:
$$\alpha \rightarrow \beta$$
 $\beta \rightarrow \alpha \rightarrow \beta \delta$

(3)

d→β → dα → dβ → Dα → dβ d→8 → Dαβ → 8β

$$\begin{array}{c} \text{(iii)} \quad a \rightarrow bc = b \Rightarrow c \\ b \rightarrow cd = b \Rightarrow c \end{array}$$

il) {de} += {ae} += {be} += R

-) a-b: 8 cm (X) on Superbeay b → cd: (x) orn X b Superkey

de-a. O un O de Superkey

BCNF: R1 = (a, b) $R_2 = (b, sd)$ $R_3 = (d, e, a)$

F1 = {a -> b} F2 = {b -> cd3 F3 = { de - a}

E) a -b: (X or (X) a superkey (D b in { beg

b - scd: (x cris (x) b Superkey (x) cd in superkey

de -a: & or" Ode Superkey O a in {ae}

3NF: R1 = (b,c) R2=(a, b, d, e)

il) {ag 3+

F1 = { b > c} Fz={a-b, b-d, de-a}

-) {a→b, a→d, a→e, a→c, g→hy

E) a - e: (x) gi

X) a superkey a -> bd: (x) orn X a superkey

aed -> c: X MN

(aed superkey g -> gh: & orn

(X) g suporkey

BONF: R1=(a,b,c,d,e) R2=(g,h) R3=(a,f,g) $F_1 = \{a \rightarrow b, a \rightarrow c, a \rightarrow d, a \rightarrow e \}$ $F_2 = \{g \rightarrow h \}$

1) a -> 6: x) ain (X) a Superkey (X) e in Superkey

a > bd: (X) Or!! (X) a Superkey (X) bd in Superkey

acd > c: & on & acd superkey & c in Superkey

2 - 3h: & ON & g Superkey & gh in Superkey

3NF: R= (a,b,c,d,e) R==(y,h) $R_3 = (a, t, g)$ Fi= {a > b, a > c, a > d, a > e} Fz = { 2 -> h } $R_1 = (a, d)$ $R_2 = (a, b, c)$ F, = { a->d3 (8) ill) The drug Name (of counts 3 (drug Name Fcount (+) (one Of Doctor = "Martin" (() Doctor M Doctor. number Of Doctor = Appoint. number Of Octor Appoint) MAppoint. NA = Precs. NA Prescr) M Precsr. drug Coole = Drug; drug Coole Drugs)))) -) Theme Of Patient, address (Ensume Of Doctor = "joe" ((Appoint X)

Appoint number Of Patient)

= Patint. number Of Patient Doctor. Number Of Doctor = Appoint. number Of Doctor) (C) They Name (& hospital = "Hermes " ((Appoint))

Appoint number Of Doctor = Doctor number Of Doctor) Appoint. NA = Precsr. NA Precsr. drug. Cade = Drugs. drug Code Drugs))) Thospital (Sname OfDoctor, hospital (Doctor)) ح : تا بع مدت بازی براسان ک عم علا (های) کر بیشتین مقدار را دارند (ه) کم کان (های) کر بیشتین مقدار را دارند

(a (a المعدد) لد به عام مقعدهای ثبت شده بردار داشت. ط) صدار مقعدمردانها به هداه وروازهای کم مقعد اولی با مدادی برا برباشد.