```
R(A,B,C,D,E,F)
                                                                               سؤال ا
 [AABCID
  BC-SIDE
                  clerarefil] = fBj+ = BDACE
  BAD
                  B-0
12-A=) B-A =) B-CO
 O-A
                 A + BCD = ) A + BC = ) A + DE = ) B + DE
BC + DE B + A
unique neo le FO me int d'orbit il ins co gravel in unique ni viling de alere FO 1211
ان ( A, BC, BC, B) وتكراي نيسند، يس كاري ازم بدهيم. عال بايد شرط وجود A, BC, BC, B) نا
                                                       را بوسی کنع . از اولی FD مشروع می کنع:
 O A - BCO
                     1 A > cD
                                       (A > BD
                  F' BC > DE
                                                          F S BC + DE
B - D
                                     F'YBC -> DE
                                       BAD
                                                           ( DAA
                                      DA
 NEW AAB IN RUM ENDERS FIF"
                                     ENDIN FRF i
                                                             BC-DE = 1 A-DE = 1 A+D=)
extraneous - sur in A you . Time
                                    May A ac In purp
                                   نها يدون عدد الميدوت
                                   · Lie Extraneous
                                                         Train 10 cm . Frank F " F : 1 60
                                                         FO in it is it us, and extraneous
                                                      A-BC: into the je in the remove
 @ BC > DE
                                                                  : Rus (or Charly 62) FID Wa
                                 F BABC
BADE
                   (A +BC
                                                  FIRCHE
                                                                       JA ABC
                                                                         BC >10
                                    BAD
                                                     B-10
                                                                          B-10
                                   (D)A
                                                   LDJA
                                                                          DA
 از F نصداسع ع رانتدم بعدع . س
                               HIJON FOF !
                                                :UseFulFNF ;
                                                                        Mr Riverson F MF:)
                                                  BC - E = BC - DE
 in the extraneous the
                              in com. Pr
                                                                      extensus = = = = E Cm
                              extraneous Cynil
                                            extensions Eminates (MI)
                                    الما بدن
```

Scanned with CamScann

```
F= BC -> E
B-> D
                                     : Canonical Cover Medical Cover
                                                                           ور مرم
                ( over Pp: 1 or i i or conside cover Pp: 1 or i i or conside ( ?
                   candidate keys=YAF3, YDF3, YBF3
jug (BC) POD DO (A) UNIFO DO SUPER Key wo FD up I'M ME BONF UNDERSHOOT
  SCNF Pin Alow Digo super key ching was placed 101 pilos FD 10 9 (B) pour FD > 5
FD \int (\alpha V \beta) = (ABCID)

UH = (R - (R - \alpha)) = (AEF)
                                                 FO \{(\alpha \cup \beta) = (BD)\}
FD \{(A \cup B) = (DA)\}
                                                         () باندیم به مست (ب) دارج:
                    Condidate key = {AF}, {DF}, {BF}
  (A - BC
  BCJE
                  Man Prime attributes = CE
 demposition
  => R = (ABC)
      RZ= (B(E)
     R3=(BD)
      R4 = (DA)
```

( Y U's Condidate key = { visitNO, ProvNO} => Non-Prime attributes = VisitDate , Patrio , Pat Age, Patcity, Prov Specialty , Diagnosis} =) Siristipliand FD: PatNO > Pat Age, Patcity candidate key = Y Patroz RI= {PatNo} = Y PatNo, Pat Age, Patcity} => . Ins 3NF/ -> transitional las R2 = { Visit NO, Visit Date, Prano, Prov specialty, Diagnosis, Pot No) . visit caudidate = Y visitNo, ProvNog . Tull BONF 17 junes -) transitional ly) =) R<sub>2</sub>, R<sub>1</sub> (1) 9 =) 0.

Scanned with CamScann

```
( In Ofen
 1 2 - x
                                                    X -YZV
                                                                                            YVW-XYZVW
                                                                                                                                                                                                                                                                         الن)
 =) (andidate key= YVW)
=) Prmary key = PVW]
= 1 super key = VW+ *
            X->7 => X->Z
                                                                                                                                                     => YX3+= XYZV
                                                                                                                        X-V
                                                                                                                     X -> X
                                                                                                                                                                                         : وسلام المحادة المحادث المحا
    الترسوتها ل الترسوتها = الترسوتها 0
                                                                                                                                                                                      بس ون هرس شده برقرار انه، تعزیری عمر
                         (R) (R_1) (R_2)
                                                                                                                                                                                    , Tul (loss less) i vais isse R2, R1
       =) (x,Y,Z,V,W) = (x,V,W) U(x,Y,Z) = (x,Y,Z,V,W)
  (Ri) (Ro) # 0
   =) (x, y, w) \cap (x, y, z) = (x) \neq \phi
 3 granual = condidate key
(R2), (R, ) Sinh R2 4, R1
      =) (x) \ (conddate = \xw\) = \xw\.
                                                                                                                                                                                    (x) = (condidate
                                                                                                                                                         3
        R. (XIVIN)
                                                                                                                                                                                               R2 (X, Y, Z)
    x = 4 / V × => X -> V
                                                                                                                                                                                               X= YZXX=, X-YZ
                                                                                                                                                                                                                                                               =) candidate= (x)
                                                                                                        =) candidate = 1 XW1

key 1 VW
                                                                                                                                                                                             1= XZ = 1 Y - 7
                                                            NONXXXXXXXXXXX
                                                                                                                                                                                             マナー大イニンマーン
                                                                                                                                                                                           XY+=XX-2X=>XY->Z
                                                                                                                                                                                                                                                                   Yz+= 45
```

