



R= { A, B, C, D, E, F, G, H, I, J} = { {A,B} > {C}, {A} > {D, E}, {B} > {F}, {F} > {6,H} {り}→{エナ} a) A + = C DEIJ by reflexive L>b+≠II J by transitive {A3→{E,J} works b) A+=XODEIJ, not a super Bt = BCFGH Nota super L7Ft=16H C+ = 1 Not a super ABCT = ABCDEIJ, Is a super ... SABC3 is a candidate Key, Not a superbey C) A = ACDEIT, Not a super F+ = #GH, Not a super AFT = ACDE F GHIJ, Not a super :. {A, F} Not a super and prot combidate key d) RESERVED RI = {A,B,C3, A+= ARDETS RAZIE P+= IJ R2 = {A, P, E, I, J3 R1= (B, F, 6, H3 .. R1, R2, Rx, only has One superkey each and no partial dependencies

e)
$$R_{2a} = \{ \{ \{ \{ \{ \} \} \} \} \}$$

 $R_{2b} = \{ \{ \{ \{ \} \} \} \} \}$
 $R_{3a} = \{ \{ \{ \{ \} \} \} \} \}$
 $R_{3b} = \{ \{ \{ \{ \} \} \} \} \}$

 $A \rightarrow b \rightarrow IJ$

ETØ

B->F->GH