```
Task 1
 a) [c] -> {B}
we know that
FC2: {C}> {A.D}
        I deamposition.
     303> {A3
      EAR3 = {BL}
         I Transtitity.
      くくろうをみにろ
          & decomposition
       {13-9(B)
 task 2
 a) X= {A}
   X+= {A}
FD1: {A} = {B(}
 Y= { A } - Z= { BL } = Yin X+, Znotin X+
  XT= FAZU (BC) > FABC)
FDZ: Y= [c] = [AD]
  Yinxt, & not in Xt
  X+= {ABC}U(AD) > {ABCD}
```

6) {AB} > {F} 8A3=8B,() 1 Augmentation SAES > (BCE) 1 decomposition SAESTIS FAEZ > SEZ + {c3> {AD} + > {AB> {ADE} 1 transitivity & decomposition SAES-> SADS SABS-> POFIZ EPES- SF3 1 transiticity (AE3-) (F). WX= SCE3 Xt= {CE} FD2: 4 963, 2= {AD} YMX+, Znotin X+ 5. x+={cE}U{AD}-\$4 CDE} FD3: {DE}>5F3 Y= FDE3, Z= FF3 Yinxt, Znot mxt SO X+= {A-DE}U{F}> {ACDE} According fasts. we got a brandren FD, namly 903=8B3, 7= [1] = [B]

(inxt, 2 notin > Xt Xt= [ACCEBUSE]= [ABCDEP]

task 3 is Determine the conclidate keys (45) for R: 1136 Amding to trick one. A should be kept. A roiding to trickton, & A So cles should be EABS FAIRS PAIS · mother and DSF3= FF 3 3D3=8B) violate the condition O REABCDEF) 3137313 violat the Bout rondition かをうする D: FABSO FOOL 3 3030 (B3 cks JABB JADB recan see 303 = 333 widet the BEAF condition मार्थिक कि पर हेठ्डे ACDES_ FD: [A 3) {CE] CK FADS tasky 1 PCA.B.C. D.E. BGE CK: [B6] 703. 8037 (0) violate the BEAF roulition. FABCES FD: 7863> \$AE3 cle Bis ? De man = 1