

4) Prixed add one more table by which has the attributes from the original table that are encluding the right hand Side of each P.D

? The right hand Side of P.D's are C,D .. ABÉDE: So vernauring is ABE This in one Souse helps age us to have a table with the primary key of the table. i we have now total four tables 5 () R, (ABCD) R₂(BD) R₃(ED) R₄(ABE) Here in R, AB is the Key or primary key

1 in R₂ B " " " " "

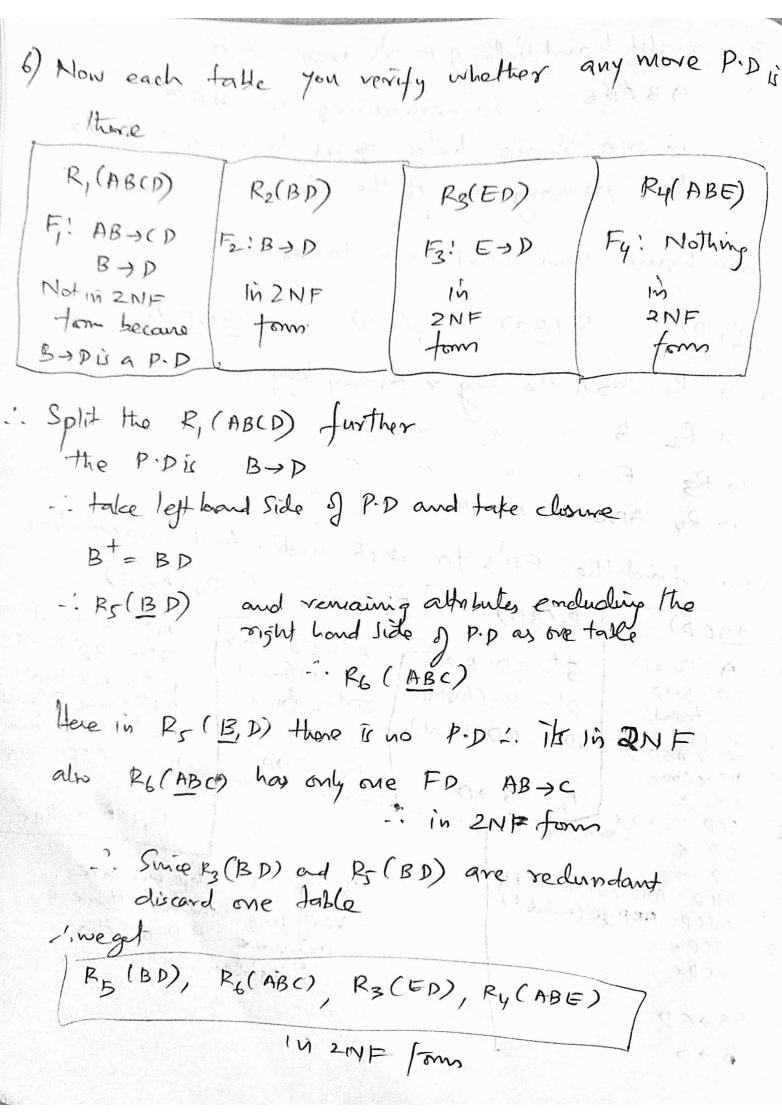
1 in R₄ ABE " " " " " " Now find the FD's for each individual Subrelation R2(BD) R3(ED) (R4(ABE) R, (ABCD) At= A (Fryal) Et= ED: EDD B+=BD'.B-D At = A (finial) B+ = BØ (mvial) D+= 17 (tonial) 13+ = BD B+D Et = ED (mal) D+= D (mirrial) ct = c (fruit) ED+=ED(final) ABT = ABE DEFined BD+= BD (minal) 1. 2. of E BET = BED (Hand) + = ABCD AB +CD AB = ABL , Art = Ac & (hvial) AE+ = AEBChal ACT - HONG AD + AD & ACD BC - D F2: B -> D | F3: E -> D BE + = BCD BC - D & credundary) Fy: Nothing += BD X CDT = CD & ABC = ABCD ABC > D(redundat) In the 5th Step we are .

verifying whether there is

anymore P.D in the

Subtables. ABD = ABCD ABDZC (redudat) BCPT = BCD x ACD = ACDX F! AB>CD BDD

WALL LAW



7) Now Check whether the tables have Transitive dependency of its there Split that Subtable further

[Rs(BD)	PG(ABC)	P3(ED)	Ry(ABE)
Fo! B→D I'S 3NF form	FDI AB>C IN 3NF FORM	FP! E>D in 3NF tomm	(30 ahready)

Since there is no transitive dependency in any of the Subtables we have that relations is now in 3NF form