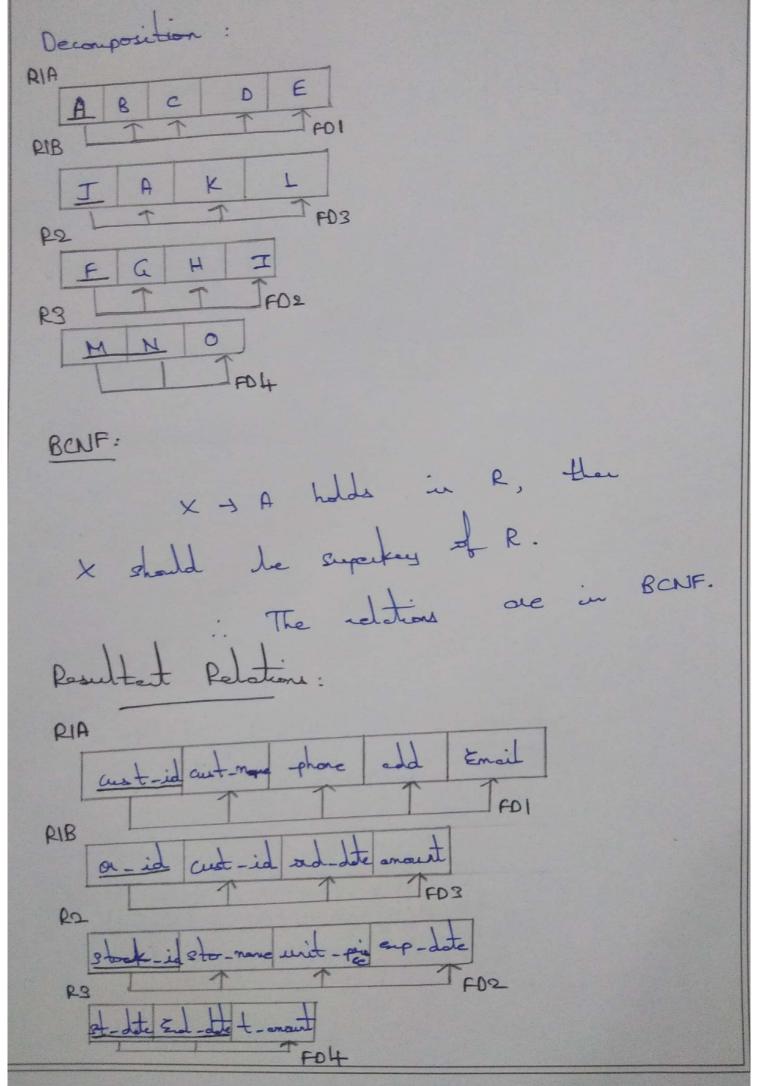
Normalization. [aust-id, austrane, phone, add, email, stock-id, sto-none, un-price, sup-date, or-id ord-date amount et-date, end-date, + - amount & E G 0 FOI F03 Functional dependencies: FOI: A -> B, c, D, E FD2: F-G.H,I FD3: J -> A, K, L FO4 : M, N , O

Parine attributes: (A, B, C, D, E, F, a, H, I, J, K, L,M, N, 0) 33 I (renove 0) (A. B. C. D. E. F. G. H. I. J. K, L, M, N) + 33 [M, W +0] II (remove N) (A, B, C, D, E, F, Q, H, I, I, K, L, M) +3 TOLU,M] I a till is replaced. .: Closure does not satisfy. III (remove M) (A, B, C, D, E, F, G, H, I, J, K, L, W) + XS [0 x w, m] e) M is replaced. : closure does not ratisfy. TO Cremove K, L) CA, B, C, D, E, Fa, H, I, JM +> 3 CJ-A, K, LJ

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I Genove a, H, I) CA, B, C, D, E, F, J + 3 8 [F 3 G, H, I] II (remove B_C_D_E) (A, F, J, M, N)++3 8 [A-SB,C,D,E] VII (remote A) [ALT] : (F, J, M, N) are prime attributer. 3 Condidate key (Stock-id, on-id, st-date, end-dates INF: No attributes in the relation are multivalued. : aire relation is dready in INF.

There should be no partial Sustinal dependencies. : The table is not in 2NF. Patial FDs + FD2 FD3 FD4. Decomposition: PABCOEJKL FOLTTIT R2 E Q H I 3NF: There should be no transitive dependency present in the relation. : The table is not in SNF. : FOI, FOS are tomerative dependency.



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(i) FD presention property: There are 4 FDs present before the process of noundisation FD1, FD2, FD3, FD4 After the normalization process, Same 4 FDs me prescued and maintained RIA > FOI MB FD3 R2 -> AD2 FD4 preservation property · FD holds tome.

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(ii) Lossless join property:

After performing join operation

La Loue relation, He date inscrited

was property retried.

.: Lossless jou property holds

Inc.