B19114-3CS

maximum no. of Superkeys with branch-name as keyis4

Borrower (customer name, loan number)
loan number -> customer name.

It is in BCNT, because loan number is a Superkey for all functional dependencies (for each non-trivial) functional dependencies x > x(x must be super key)

- (3) b Is lossless decomposition and both are in BCNF
- For the following functional dependries, we expect loan-number-amount -10 .

 loan-number-branch-name. -10 but would not expect the following to hold loan-number-customer-name

Candidate key = loan-number of which is a Superkey
for O & Doan-number is a Superkey which
is BCNF Condition Satisfied for each non-trivial
Functional Dependencies

Prime Attributes = Sloan-number }
Non-prime attributes = Samount, branch-name, customername ?

.Date: Sion. of the Inviolator .

custorname += {customername, customerstreet, customer City} Semilarly Branchname determines all the attributes which is Superkey for each non-trivial solution. Candidate key = Stustomername ? which is single key it means satisfying infi 7NF, 3NF, BONF

2NF- no partial dependency 3NF- (i) left is superkey BCNF- (ii) Right is Prime attribute BUNE- left is super key