2 1 condidate keys. 1

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Manne : Aparagiba Mishing, holl-11, E(E-1, 7th sen

2. Relation R have 1 candidate keys.

At is ABCEFGH which is all almibutes except D.

Bt is also ABCEFGH which is all almibutes except D.

Et is also ABCEFGH which is all almibutes except D.

Softwere are total of caudi date keys AD, BD, ED and
PD=2

4. Book is in 2NF and Collection is in BENF

Book (Title, Auklon, Catalog-no, Publisher, Year, Prece Collection (Title, Auklon, Catalog-no) with in the following functional dependencies

J. Title, Aukeon -> Catalog-no

II. Catalog-no -> Title, Aulton, Publisher, Year

III. Publishen, Title, Year -> Price

Agreeme & Author, Title) is the key for both schenes.

4 The table "estlection is in BCNF as there is only one functional dependency "Title Author -> latalog-no and {Author, Title } is key for collection

Book isn't in bCNF because because Catalog-no isn't a key and there is a functional dependacy "Catalog-noTitle Author Publisher Year".

* Book ? 12nlf in 3NF because non-prime affinitures are

transitively dependent on key.

Sook is in 2NF because every non-prime attribute of the table is eiten dependent on the whole of a and idate key one { Title, Author 3 and { Catalog-not In table Book, non-prime attributes (attributes that don't occur in ency candidate, key) are Publisher Vear, Price.

Titles of the five most expensive books of

The outen query selects all title brown book table

The outen query selected book, the subquery neturn count

For every selected book, the subquery neturn count

of those books which are more expensive trans

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query will be true book of the most

For example count (*) will be I form

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second most expensive