GI) Select R, Sid,

From CATAloa R, X CATALOA RZ

Where (R, Pid = RZ Pid) AND

(R, Sid = RZ Sid) AND

(R, Price > RZ PIGE);

Gelect S.SID

Som Suppliers

Where S. address = "Russon city" or

(Select palour from part p

Where p.colour = red");

BONF FD. {
HS name, Hsuly GIPA -> Priorly CSN -> SName, Saddress, app HScode -> Hscode, Hanne, Hsuly GPA -> GPA, Pronty SSN > SSN, S, Name, S. addres, GpA, Prionty Student (SSN sname, (+ scoole), H Sname, Huly, Cipp, Prionty, 3, adinas) SSN HScoole = SName, Saddress, GPA, SSN, HSaly, H. Scule, H. Sname, Poronty) apa - Priorty fr (GPA, pronty) -> R2 (GPA, Heity, Hennine, Hescole, Bladdren, Sname, SSN) SEN -> SName, Saddren, app, privala) - R21 (SSN, Sname, Saddren, app, Privaly) HScode History, History, History, App, Pronty)

- 8:2) The checks to be considered on park tree during query op honga from are
- (1) Syntactic Checks

  IS the Lyntan of every operator was

  Correct.
- (2) Calify chechi- Does every relation name refor to a valid relation.
- (3) view expansion If a relation name reform to onen
- (4) Attribute checks.

  Dees every attribute name refer to a

  Valid attributes
- (5) Type checker

  Does exach attribute farticipating in an
  expression have the proper type?

CWID	Name	Subject	Location	Score
10156731	John	Comp Notworks DBMS	Ruston Ruston	96

	RI	
CNID	Name	Subject
10156731	John	comp. Nemaly
10145221	John	OBMS /

R2		
CWID	Location	Score
10156131	Ruston	76
10145221	Ruston	100

R, UR2

CWID	Name	Subject	docation	Store
10156731	John John	Comprehala DBMS	Ruston	100

$$R_1 \cap R_2 \neq \varphi \rightarrow "$$
"

Fo's:

CWID+: CWID, Name, Subject (RI)

so, this is a Lossler join

91 (2)

CWID	NAME	Location	Score
10 156731	John	Ruston	96
10143221		Ruston	100

R2

Location	Score
Ruston	76
Ruston	100

RI URZ

CWID	Name	Location	Store
1015431	John	Ruston	96
10145221	John	Ruston	100

RIURE = R (not satsfiel) X

Here, the first condition was not satisfied.
So, this is a Lossy join.

Option B - I've losses but 2 is lossy

Report (RIP, Litle, AID, Author, Subject) RID ->htle title - ) Subject AID -> Author Report (RID) Little (AID) Subject Anthor) stept: Idealtying hartial dependences from Fds RID, AID = RID, AID, Little, Subject, Anthor A -> B KID -> title -> Partial dependency B-) E Title -> subject is a transitive dependency C-DD AID - Anthor is a Partial dependent peport (RID, title, AID, Anthor, Subject) > R, (RID, AID) Decomposing -) R2 (RID, title, Subject) -R2, (RIO, Fifle) -> P12 (Title, Subject) > R3 (AID, Author)