6	Supplier ( xid: integer, mame : 2 tring, address string)
	Part (pid: integer pname: string, colour: String)
	Catalogue (sid: integer, pid: integer, cost: real)
	Tax sad passed ( Papel Re pad A See sad A Passed A Las sad las sad
(a)	To sname (Tsid (Thid Toolor= (red, Parts) De (atalogue) De Suppliers
	- 1- ( Catalogue)
(6)	TIsid (Tipid ( color = 'red' v color = 'green', Parts) M Catalogue)
(0)	S(RI, Theid ((Tpid color= red, Parts) (atalogue))
	P(R2, Tsid addrew = Shopping Center IITK' Supplier )
	RIUR2
((53	Parte ) De Catalogue))
(d)	O(P2 TIME Tolor= red Parts) De Costalogue)
	P(R1, TIsid ((Tipid ocolor='red' Parts) De Catalogue)) P(R2, TIsid ((Tipid ocolor='green' Parts) De Catalogue) RIOR2
(c)	(Tsidpid Catalogue)/Tpid Parts)
(f)	(Tsid, pid Catalogue) (Tpid colos= sed' Parts)
(9)	( Theid, pid Catalogue) ( Tpid to color = 'red' V color = 'green' Parte)
(h)	
	P(RI, ((Tisid, pid Catalogue) (Tipid (olor= 'sed, Parts))) P(R2, ((Tisid, pid Catalogue) (Tipid, o color= 'green' Parts)))
	RIUR2

(i) P(R1, catalogue) f(R2, Catalogue) TRI-sid, R2-sid ( R1. pid = R2 · pid A R1·sid + R2·sid A R1·cost > R2·cost Trisid, R2. sid ( Prod=R2. pidA R1. sid & R2. sid A R1.cost > R2. cost ( R1 x R2)) f (RI, catalogue) f (R2, Catalogue) TRI-pidor. pid= R2-pid 1 81. sid + R2-sid (RIXR2) f (RI, Tisid Sname = Tata, Suppliers) I (RZ, RI Des Cadalogue) f (R4 (1 scid, 2 spid, 3 scost), (R3 XR2)) Thord (R2 - Tisid, pid, cost R4) T) This (suppliers) -> R1 Thisid, pid ( cost = 200 ( cotaleque) ) -> R2 R2/R1 -> Arolue 8

 $F = (A_1, A_2, \dots, A_n)$   $R/S = \prod_{\mathbf{F}} (R) - \prod_{\mathbf{F}} ((\Pi_{\mathbf{F}}(R) \times S) - R)$