

Task 6 : 5NF

Eliminate join cyclic dependencies:

Original Product-Suppliers-Orders table:

product-id	supplier-id	order-id
P1	S1	101
P2	S2	101
P3	S3	102

Splitting into binary tables:

Product-suppliers:

Product-id	Supplier-id
P1	S1
P2	S2
P3	S3

Supplier-Orders:

Supplier-id	Order-id
S1	101
S2	101
S3	102

Product-Orders:

Product-id	order-id
P1	101
P2	101
P3	102