1. Book

   Let:
   a. ISBN = A
   b. B_name = B
   c. Author = C
   d. Genre = D
   e. Publisher_number = E
   f. Number_of_pages = F
   g. Price = G
   h. Number_in_stock = H
   i. Publisher_sales_percentage = I
   j. Date_published=J

   R=(A,B,C,D,E,F,G,H,I,J)
   F={
       A→BCDEFGHI
       B,C→ADEFGHI
   }

   The Table is in BCNF dues to the fact that all α are super keys for R

2. User

   Let:
   a. U_ID = A
   b. U_name = B
   c. Billing_address = C
   d. Address = D
   e. U_Password = E
   R=(A,B,C,D,E)
   F={
       A→BCDE
       B,E→ACD
   }

   The Table is in BCNF dues to the fact that all α are super keys for R

3. Order

   Let:

a. Order_number = A
b. Shipping_cost = C
c. Billing_address = D
d. Order_price = E
e. Tracking_number = F
f. U_ID = G

R=(A,B,C,D,E,F)
F={

A→BCDEF
F→ABCDE

}

The Table is in BCNF dues to the fact that all α are super keys for R

4. Publisher

Let:

a. Publisher_number = A
b. P_name = B
c. Address = C
d. Email_address = D
e. Bank_Account = E
f.

R=(A,B,C,D,E)
F={

A→BCDE
D→ABCE

}

The Table is in BCNF dues to the fact that all α are super keys for R

5. Phone_number

Let:

a. Phone_number = A
b. Publisher_number = B

R=(A,B)
F={

A→B

}

The Table is in BCNF dues to the fact that all α are super keys for R

6. Address

Let:

     a. A_ID = A
     b. Address = B
R=(A,B,C,D,E)
F={

     A→B

}

The Table is in BCNF dues to the fact that all α are super keys for R

7. Cart

Let:

     a. U_ID = A
     b. ISBN = B
     c. Quantity = C
R=(A,B,C)
F={

     A,B→C

}

The Table is in BCNF dues to the fact that all α are super keys for R

8. Books in Cart

Let:

  a. ISBN = A
  b. Order_number = B
  c. Quantity = C
R=(A,B,C)
F={

     AB→C

}

The Table is in BCNF dues to the fact that all α are super keys for R