|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Order\_ID | Date | Cust\_ID | Cust\_Name | State | Item\_Num | Item\_Desc | Quantity | Price |
| 101 | 7.7 | A004 | George | VA | 6531  7890  7956 | Пленка  Стол  Ручка | 5  1  1 | 100  400  2 |
| 102 | 8.7 | A999 | Ben | PA | 3456 | Плита | 1 | 300 |
| 103 | 9.7 | A201 | Tom | PA | 4234  7956 | Бумага  Ручка | 15  10 | 234  20 |

1NF:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Order\_ID | Date | Cust\_ID | Cust\_Name | State | Item\_Num | Item\_Desc | Quantity | Price |
| 101 | 7.7 | A004 | George | VA | 6531 | Пленка | 5 | 100 |
| 101 | 7.7 | A004 | George | VA | 7890 | Стол | 1 | 400 |
| 101 | 7.7 | A004 | George | VA | 7956 | Ручка | 1 | 2 |
| 102 | 8.7 | A999 | Ben | PA | 3456 | Плита | 1 | 300 |
| 103 | 9.7 | A201 | Tom | PA | 4234 | Бумага | 15 | 234 |
| 103 | 9.7 | A201 | Tom | PA | 7956 | Ручка | 10 | 20 |

2NF:

|  |  |
| --- | --- |
| Cust\_ID | Cust\_Name |
| A004 | George |
| A999 | Ben |
| A201 | Tom |

|  |  |
| --- | --- |
| Item\_Num | Item\_Desc |
| 6531 | Пленка |
| 7890 | Стол |
| 7956 | Ручка |
| 3456 | Плита |
| 4234 | Бумага |

|  |  |  |
| --- | --- | --- |
| Order\_ID | Date | State |
| 101 | 7.7 | VA |
| 102 | 8.7 | PA |
| 103 | 9.7 | PA |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Order\_ID | Cust\_ID | Item\_Num | Quantity | Price |
| 101 | A004 | 6531 | 5 | 100 |
| 101 | A004 | 7890 | 1 | 400 |
| 101 | A004 | 7956 | 1 | 2 |
| 102 | A999 | 3456 | 1 | 300 |
| 103 | A201 | 4234 | 15 | 234 |
| 103 | A201 | 7956 | 10 | 20 |

3NF:

|  |  |
| --- | --- |
| Cust\_ID | Cust\_Name |
| A004 | George |
| A999 | Ben |
| A201 | Tom |

|  |  |
| --- | --- |
| Item\_Num | Item\_Desc |
| 6531 | Пленка |
| 7890 | Стол |
| 7956 | Ручка |
| 3456 | Плита |
| 4234 | Бумага |

|  |  |  |
| --- | --- | --- |
| Order\_ID | Date | State |
| 101 | 7.7 | VA |
| 102 | 8.7 | PA |
| 103 | 9.7 | PA |

|  |  |  |
| --- | --- | --- |
| Item\_Num | Quantity | Price |
| 6531 | 5 | 100 |
| 7890 | 1 | 400 |
| 7956 | 1 | 2 |
| 3456 | 1 | 300 |
| 4234 | 15 | 234 |
| 7956 | 10 | 20 |

|  |  |  |
| --- | --- | --- |
| Order\_ID | Cust\_ID | Item\_Num |
| 101 | A004 | 6531 |
| 101 | A004 | 7890 |
| 101 | A004 | 7956 |
| 102 | A999 | 3456 |
| 103 | A201 | 4234 |
| 103 | A201 | 7956 |

BCNF:

|  |  |
| --- | --- |
| Cust\_ID | Cust\_Name |
| A004 | George |
| A999 | Ben |
| A201 | Tom |

|  |  |
| --- | --- |
| Item\_Num | Item\_Desc |
| 6531 | Пленка |
| 7890 | Стол |
| 7956 | Ручка |
| 3456 | Плита |
| 4234 | Бумага |

|  |  |  |
| --- | --- | --- |
| Order\_ID | Date | State |
| 101 | 7.7 | VA |
| 102 | 8.7 | PA |
| 103 | 9.7 | PA |

|  |  |  |
| --- | --- | --- |
| Item\_Num | Quantity | Price |
| 6531 | 5 | 100 |
| 7890 | 1 | 400 |
| 7956 | 1 | 2 |
| 3456 | 1 | 300 |
| 4234 | 15 | 234 |
| 7956 | 10 | 20 |

|  |  |
| --- | --- |
| Order\_ID | Cust\_ID |
| 101 | A004 |
| 101 | A004 |
| 101 | A004 |
| 102 | A999 |
| 103 | A201 |
| 103 | A201 |

|  |  |
| --- | --- |
| Order\_ID | Item\_Num |
| 101 | 6531 |
| 101 | 7890 |
| 101 | 7956 |
| 102 | 3456 |
| 103 | 4234 |
| 103 | 7956 |