**B.1.**

REP

CONTAINS

n

n

n

n

1

1

1

n

PART

IS\_ON

REPRESENTS

ORDER\_LINE

CUSTOMER

PLACED

ORDERS

**B.2.**

PLACED

CUSTOMER

1

1

n

1

1

n

ORDER\_LINE

IS\_ON

PART

CONTAINS

REPRESENTS

REP

n

n

ORDERS

**B.3. Functional dependencies**

PART\_NUM 🡪 DESCRIPTION, ON\_HAND, CLASS, WAREHOUSE, PRICE

ORDER\_NUM 🡪 ORDER\_DATE, CUSTOMER\_NUM

CUSTOMER\_NUM 🡪 CUSTOMER\_NAME

ORDER\_NUM, PART\_NUM 🡪 NUM\_ORDERED, QUOTED\_PRICE

**3RD NORMAL FORM**

PART (PART\_NUM, DESCRIPTION, ON\_HAND, CLASS, WAREHOUSE, PRICE)

CUSTOMER (CUSTOMER\_NUM, CUSTOMER\_NAME)

ORDER (ORDER\_NUM, ORDER\_DATE, CUSTOMER\_NUM)

ORDER\_LINE (ORDER\_NUM, PART\_NUM, NUM\_ORDERED, QUOTED\_PRICE)

CONTAINS

n

n

ORDERS

PLACED

CUSTOMER

ORDER\_LINE

IS\_ON

PART

1

1

1

n