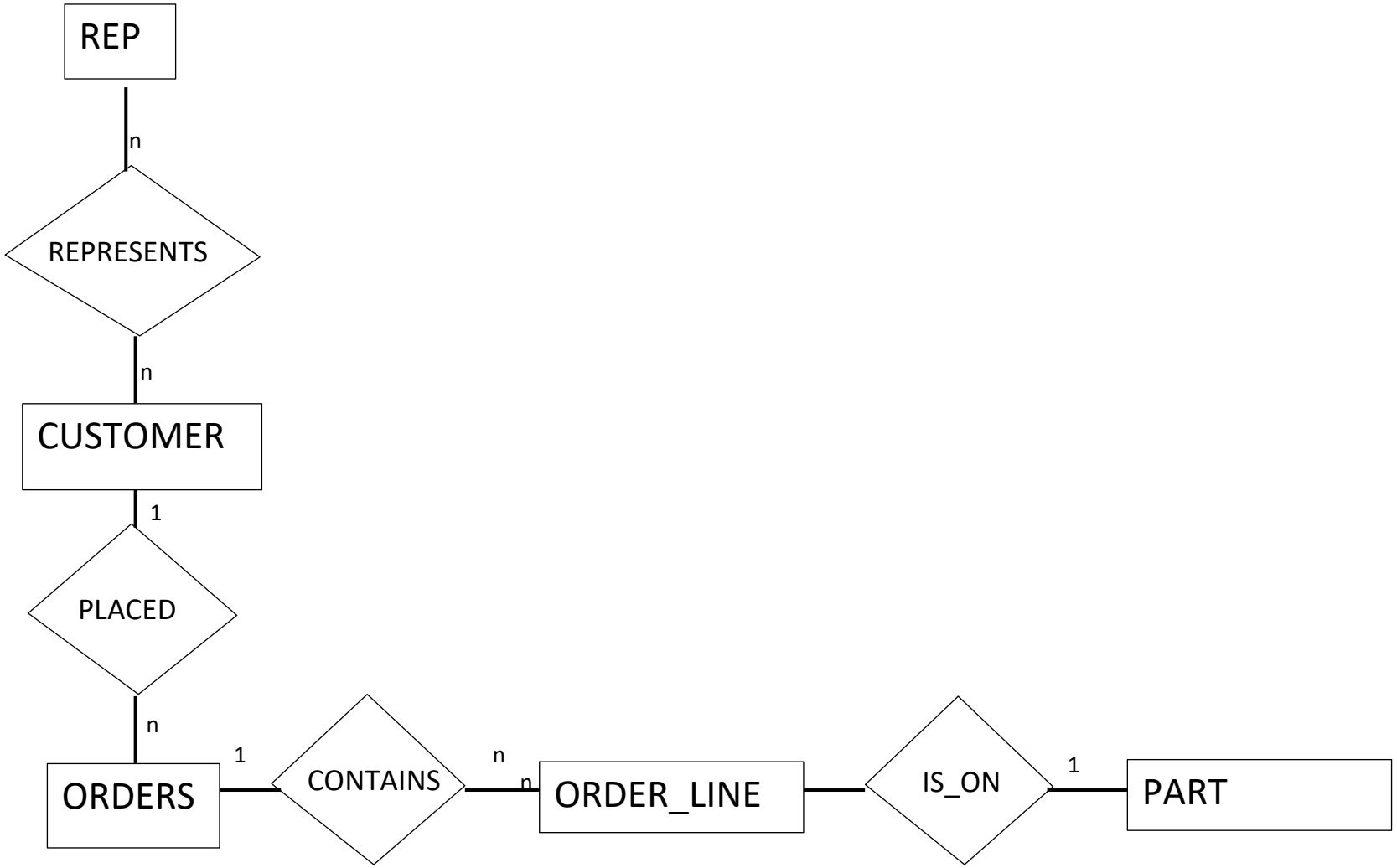
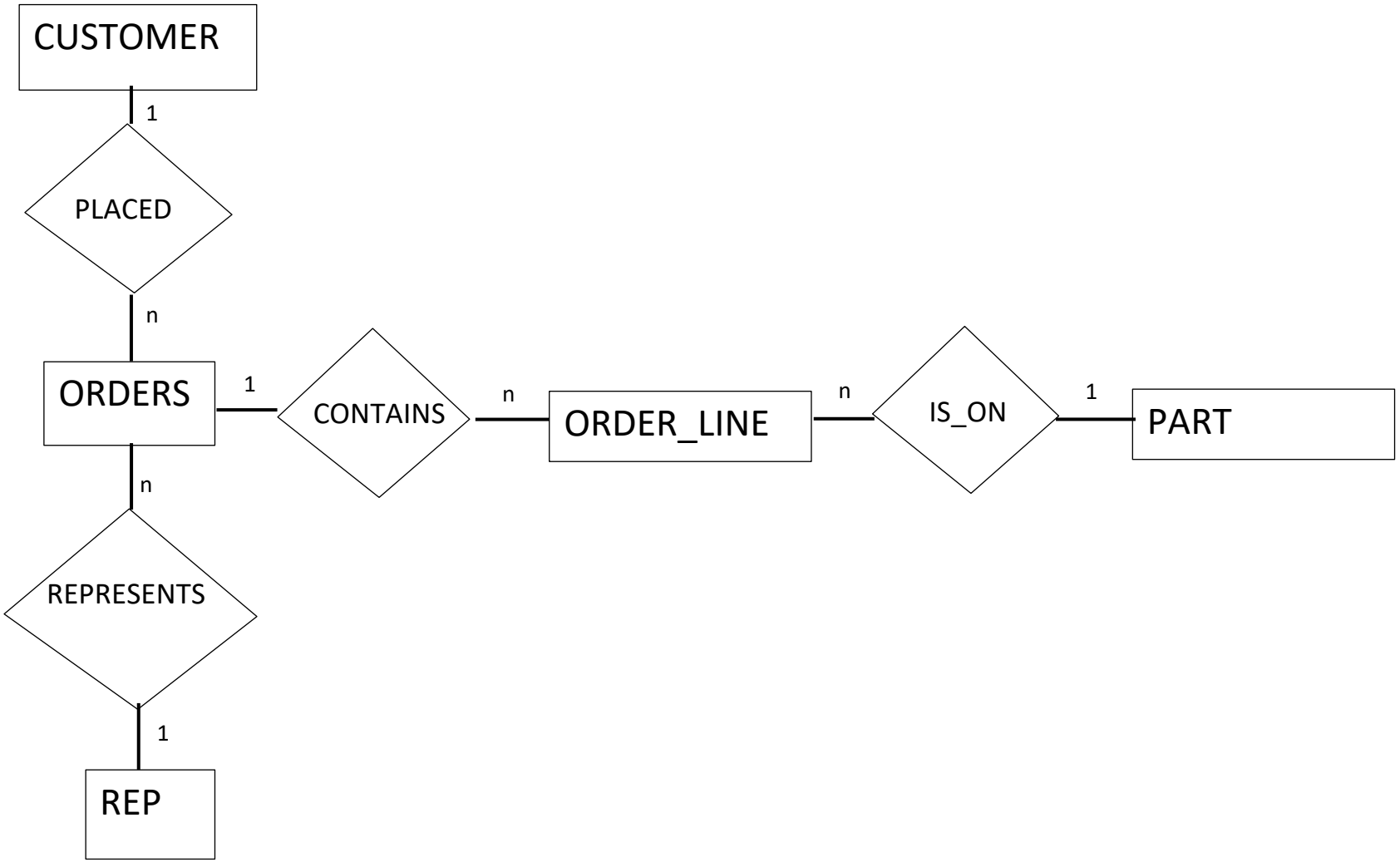
B.1.


REP
n
REPRESENTS
n
CUSTOMER
1
PLACED
n
ORDERS
1
CONTAINS
n
n
ORDER_LINE
IS_ON
1
PART

B.2.


CUSTOMER
1
PLACED
n
ORDERS
1
CONTAINS
n
ORDER_LINE
n
IS_ON
1
PART
n
REPRESENTS
1
REP

B.3. Functional dependencies

PART_NUM → DESCRIPTION, ON_HAND, CLASS, WAREHOUSE, PRICE

ORDER_NUM → ORDER_DATE, CUSTOMER_NUM

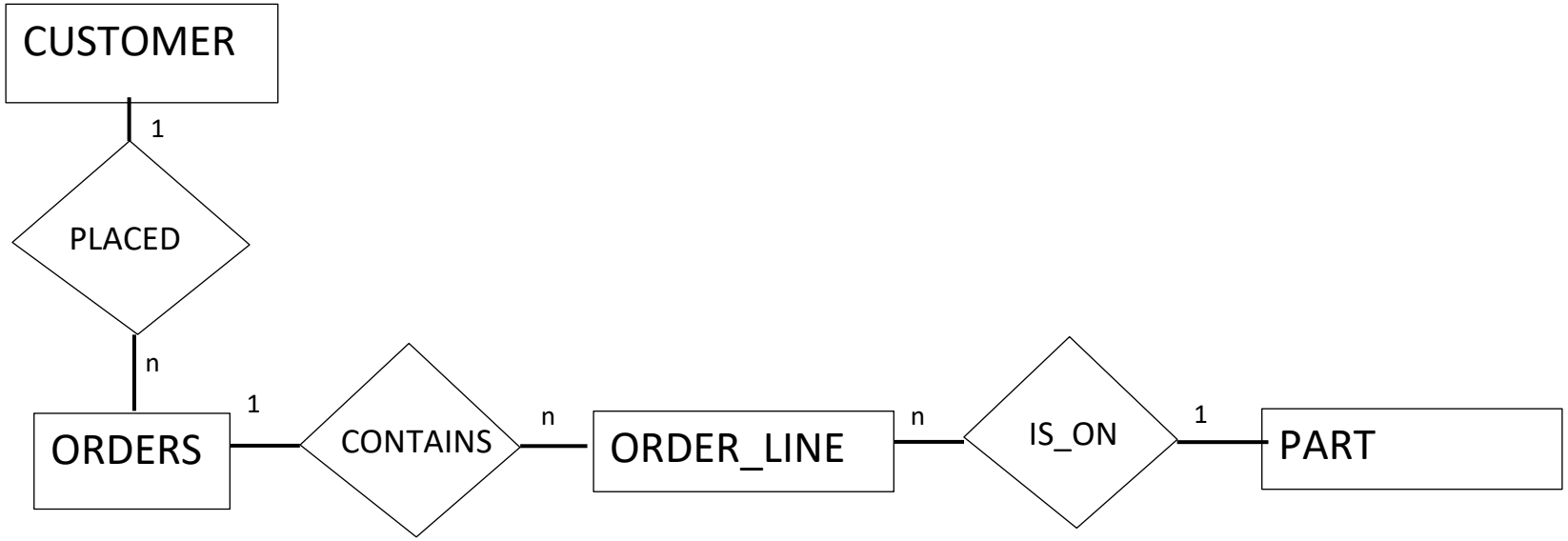
CUSTOMER_NUM → CUSTOMER_NAME

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)