

Assume a database with the schemas below:

SUPPLIER (sid, sname, scity)

PRODUCE (*sid*, *pid*, quantity)

PART (pid, pname, dno)

DEPARTMENT (dno, dname, dcity)

Facts:

- Primary keys are underlined and foreign keys in *italics*.
- Each part is used by exactly one department (denoted as Part.dno), and is produced by at least one supplier.
- A department may use several parts.
- Each supplier produces at least one part.

(Complete the following ER diagram which can be converted to the above tables, without any NULL value. You should not add any other entity set or relationship set.

