**Relational Schema**

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| **Animal** (animal\_id, weight)  **PK:** animal\_id |
| **PartType** (id, desc)  **PK:** id |
| **AnimalPart** (part\_id, weight, animal\_id, type\_id)  **PK:** part\_id, animal\_id, type\_id  **FK:** animal \_id **REFERENCES** Animal (animal \_id)  **FK:** type \_id **REFERENCES** AnimalPart (id) |
| **Tray** (tray\_id, maxWeight, weight, part\_id)  **PK:** tray\_id  **FK:** part\_Id **REFERENCES** AnimalPart (part\_id) |
| **Product** (product\_id, part\_id)  **PK:** product\_id, part\_id  **FK:** part\_Id **REFERENCES** AnimalPart (part\_id) |
| **TrayToProductTransfer** (tray\_id, product\_id)  **PK**: tray\_id, product\_id  **FK**: tray\_id **REFERENCES** Tray (tray\_id)  **FK:** product\_id **REFERENCES** Product (product\_id) |