**E/R图：**

图示

描述已自动生成

**关系模型：**

实体集为：waybill(id,goods\_name,loading\_address,unloading\_address,freight,order\_time)

Shipper (id, name, address)

Carrier (id, name, point)

1:N联系：

Shipper (id, name, address)

Waybill(id,goods\_name,loading\_address,unloading\_address,freight,order\_time)

发布（waybill\_id, shipper\_id）

Carrier (id, name, point)

Waybill(id,goods\_name,loading\_address,unloading\_address,freight,order\_time)

承运（waybill\_id, carrier\_id）

竞价（waybill\_id, carrier\_id, bid\_price, bid\_time）