1. **Redundant FK rule** violated in **Entity 2**. Solution: Remove redundant foreign key attributes 'Attribute 4-1' and 'Attribute 1-1' from Entity 2.
2. **Identifying Relationship** rule violated in **Rel6**, as no participating entity type is a weak entity type.
3. **Identification dependence cardinality rule** violated in **Rel7**, as weak entity type Entity 6 must have minimum and maximum cardinality equal to 1