



Changes

- We changed **Holiday** from a weak entity to a subclass of **Date**.
- We changed **Childcare** from a weak entity to a strong entity with **Limit** as primary key.
- We changed the relationship between **Childcare** and **Store** from 1:1 to 1:N.
- We removed the Provide relationship between **Store** and **Product** since all the products should be available on each store. So the relationship between **Store** and **Product** is supposed to be the cross product of them, which is unnecessary to be stored.
- We changed Discount, which was a weak entity, into a relationship between **Product** and **Date**.
- We changed the relationships between **Sale**, **Product** and **Store** into an M:N:L relationship.
- We modified the IFD diagram by modifying the one-way arrow between **Population** and **Task** as a two-way arrow and modifying the one-way arrow between **Population** and **Database** as a two-way arrow.
- We removed extra subtasks so that all the TDs are consistent with the IDF diagram.
- We included viewing the population of the **City** in the **Maintain Population City** task.