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2a. **No**, because ingredients are part of the primary key. Thus, without the ingredients, the new food cannot be added.

2b. In the first schema, we can allow duplicates. This is not the case for this new schema. If an ingredient is used once, it cannot be utilized again. As such, we **cannot** store all of the instances in the new schema without leaving out key items.

2c. **No**, we cannot use this due to the primary key being only {fid}. This means that we can only use one fid to insert an item into this schema. A fix for this is to make the schema use the {fid, iid} format. Then we could use the full list of items.

2d. **No.** This schema does not allow all instances. Its weakness lies in the ingredient aspect. This schema does not allow multiple iid’s, so only *one* iid can be used to include an item. This means if there are any shared iid’s it has to be cut.

2e. **Yes**, we can store all of the instances. This is due to the primary key in the schema being [fid, iid}. This allows for multiple items to be added without conflicting with each other.