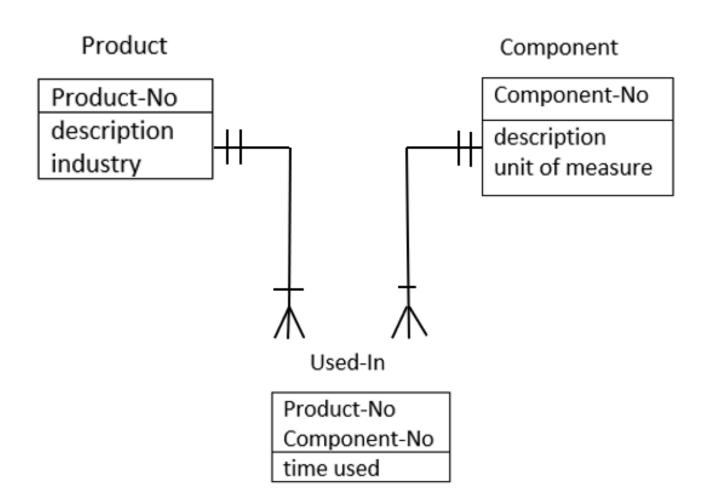


Assume that a furniture company has products, described by a product number, description, and industry. Each product is composed of components, which are described by the component number, description, and unit of measure. These components are used to make one or many products. Raw Materials are also considered to be components (so you do not need to distinguish raw materials from components). In both cases, we need to keep track of the time at which the components go into making the product.

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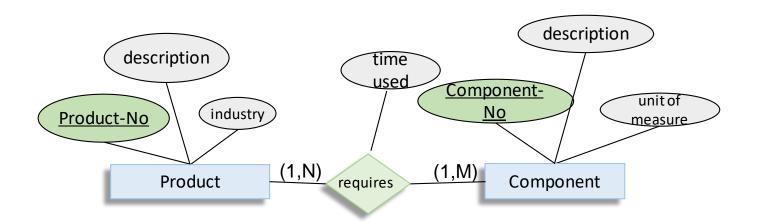
Note: The relationship between Product and Component is many to many (N:M).

In the Crow's Feet model, this is split into two 1:N relationship.

The new entity (book calls it an association pattern) has, as its key, the concatenation or joining together of the two keys of the involved entities. This becomes a compound key. The relationship attribute becomes the non-key attribute.

To do: Draw this situation using the Chen notation.

Furniture Store: Chen Notation



Note: time used is relationship attribute. Could be labelled differently. This is a many to many relationship.