

These slides are for use with

# Database Systems

## Concepts, Languages and Architectures

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Concepts,  
Languages  
and  
Architectures

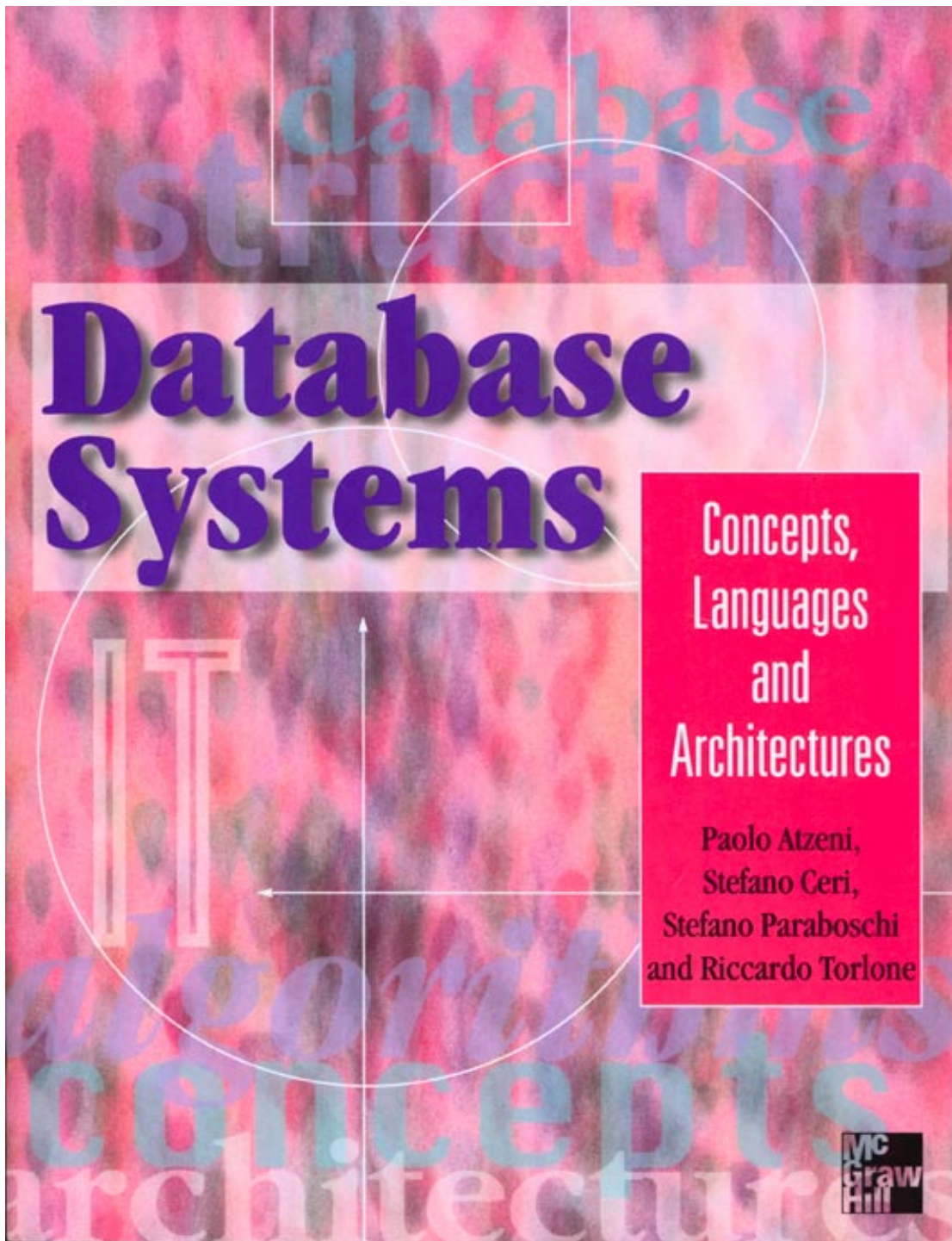
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Stefano Ceri,  
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**To view** these slides on-screen or with a projector use the arrow keys to move to the next or previous slide. The return or enter key will also take you to the next slide. Note you can press the 'escape' key to reveal the menu bar and then use the standard Acrobat controls — including the magnifying glass to zoom in on details.

**To print** these slides on acetates for projection use the escape key to reveal the menu and choose 'print' from the 'file' menu. If the slides are too large for your printer then select 'shrink to fit' in the print dialogue box.

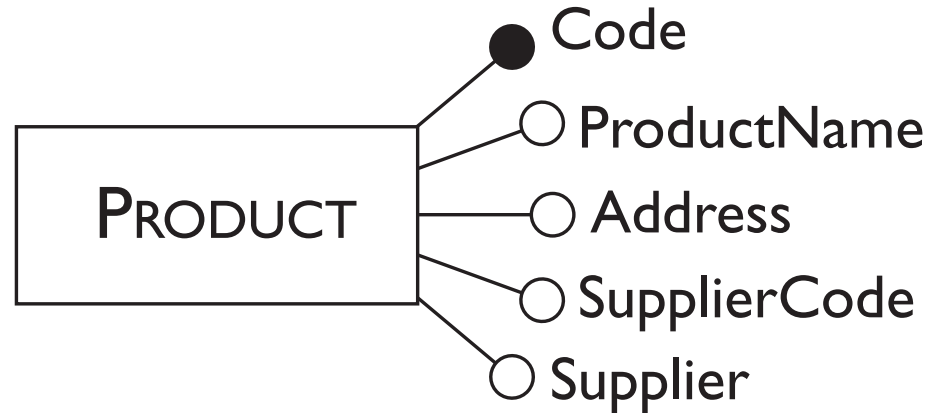
**Press the 'return' or 'enter' key to continue . . .**



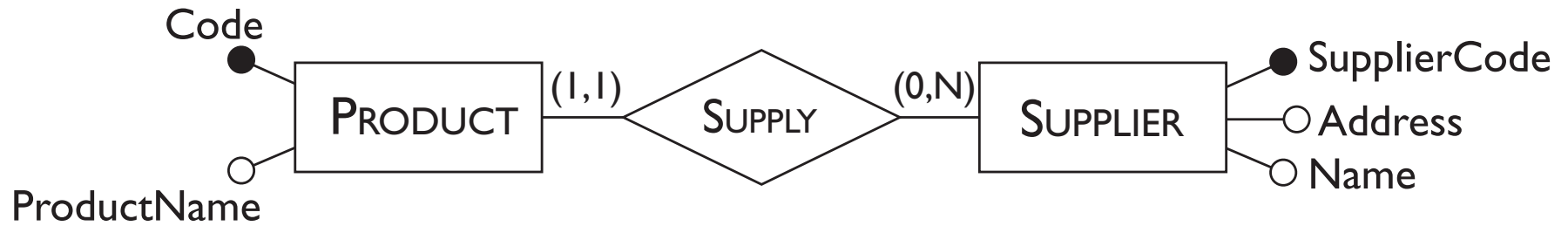
# Chapter 8

## Normalization

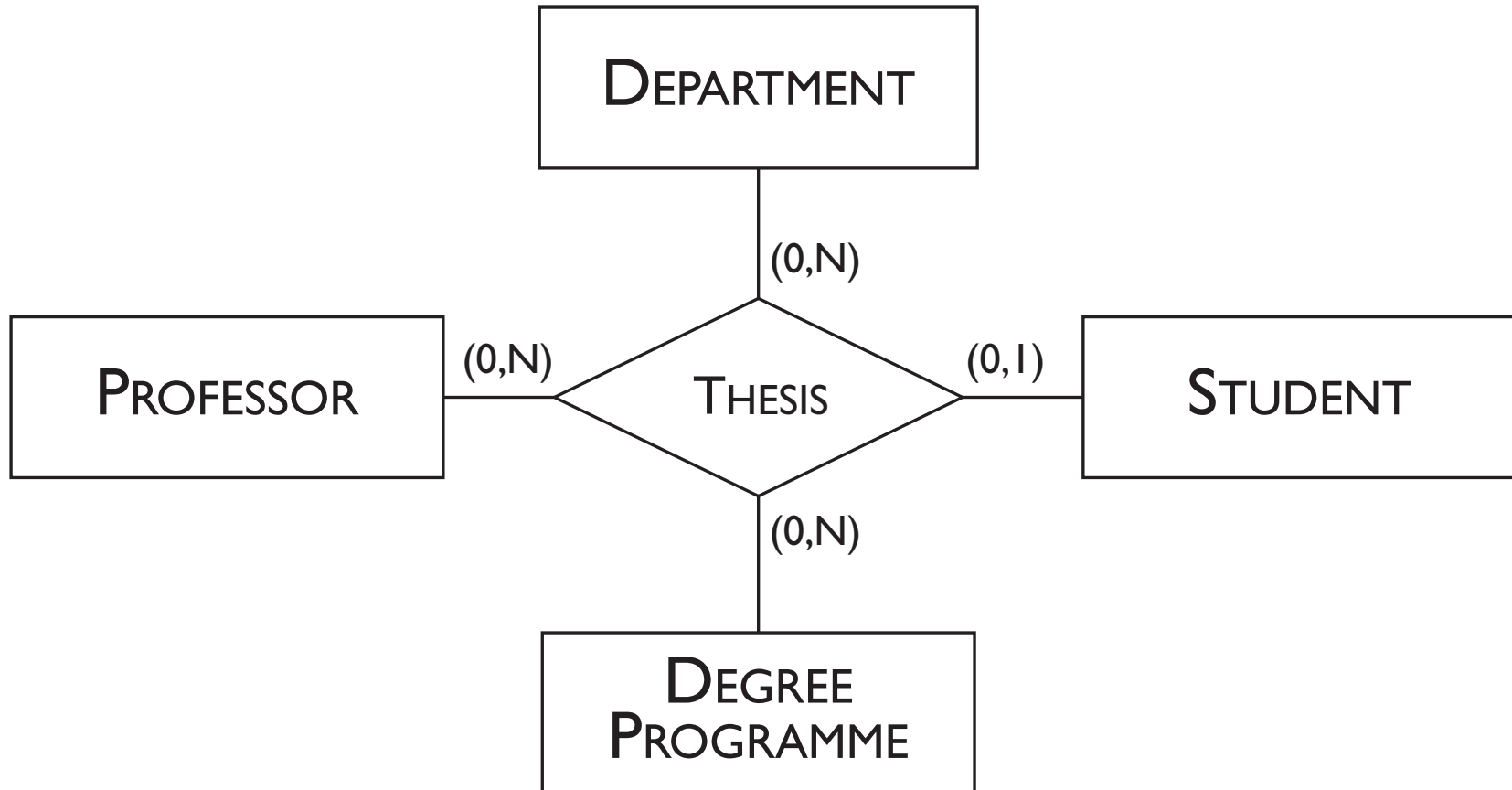
# An entity to undergo a verification of normalization



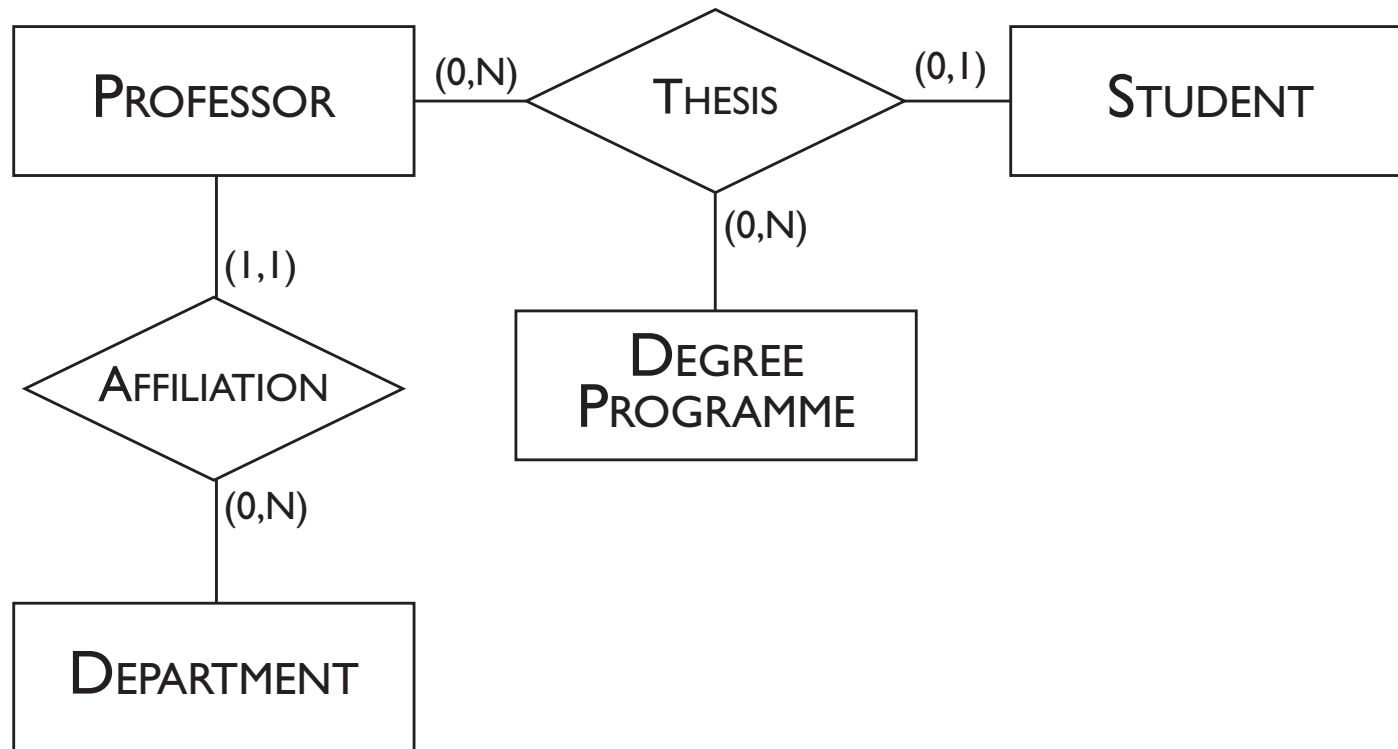
# The result of the decomposition of an entity



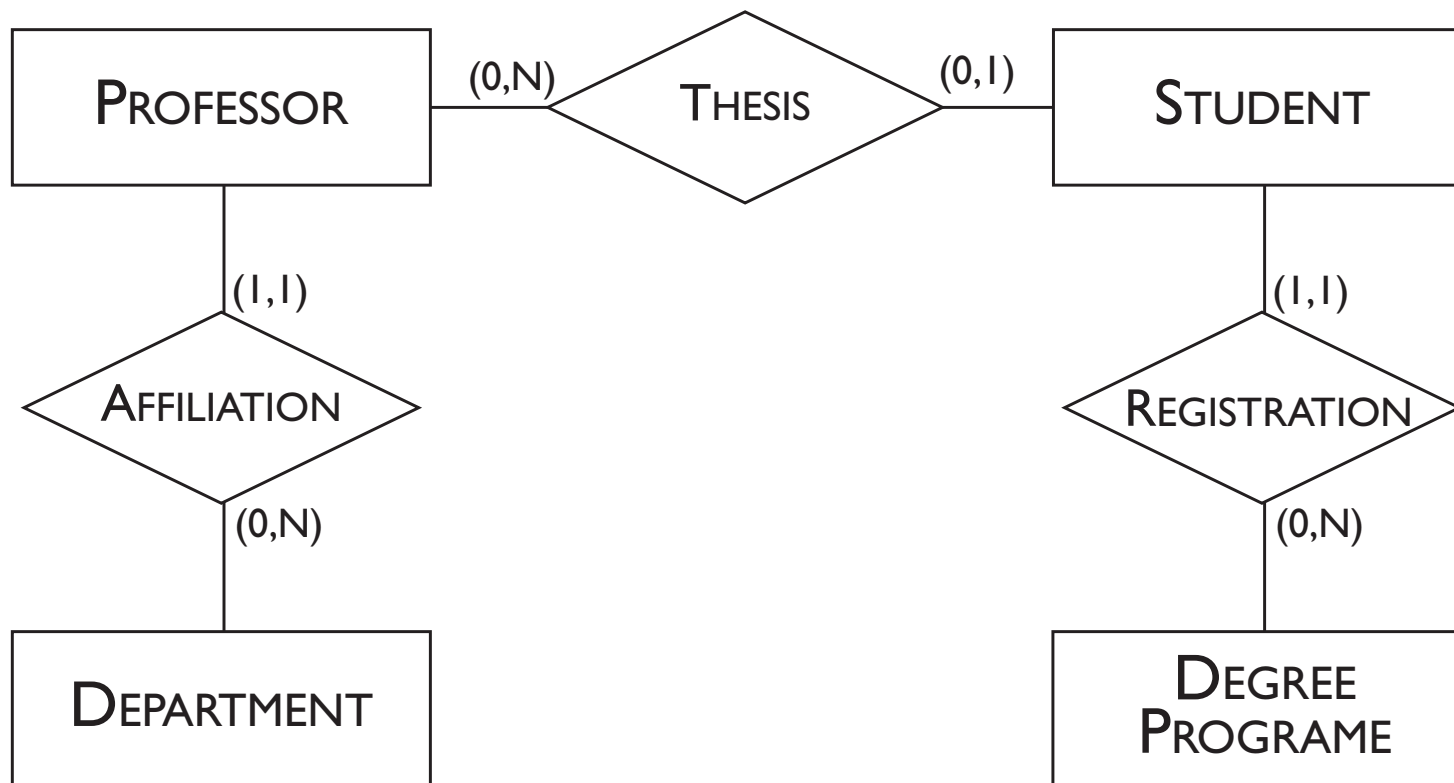
# A relationship for which normalization is to be verified



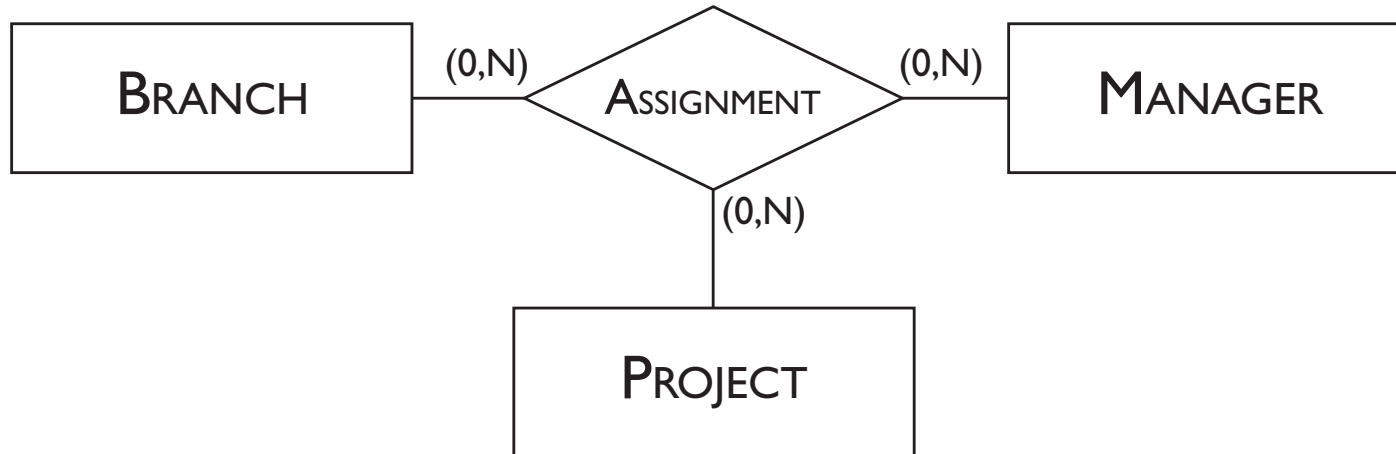
# The result of the decomposition of a relationship



# The result of a further decomposition of a relationship

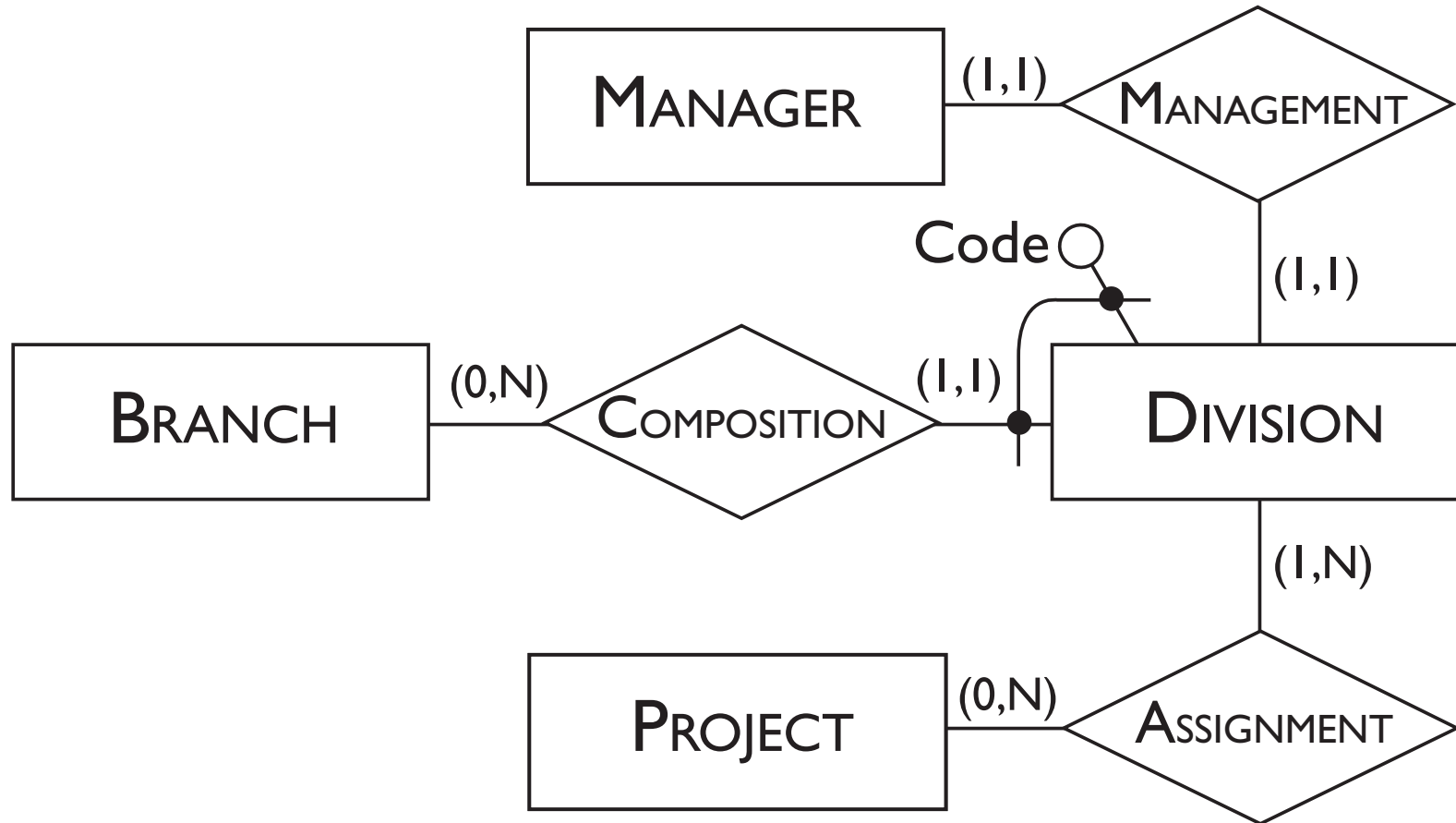


# A relationship that is difficult to decompose





# A restructuring of the previous schema



# A relationship whose normalization is to be verified

