Sample assignment

Assignment 1 (E/R-Modelling) 7 Points

Given the following E/R-Model (in the notation of the lecture) with an excerpt of the world of literature.

Can a book be composed by several writers? yes no [1,1]
Can a writer compose several books? yes no [1,N]
Can a writer also compose no books? yes no [1,N]

Give a short explanation in each case.
Describe the two tables which stem from the refined transformation of 1:N relationships to relational schemas for the above model.

Use the short notation \( \text{T}(A, B, ..) \) with \( \text{T} \): Table name, \( A \) and \( B \) attributes, \( A \) primary key.

Writers (Name)  Books (ISBN, Name, Publisher)