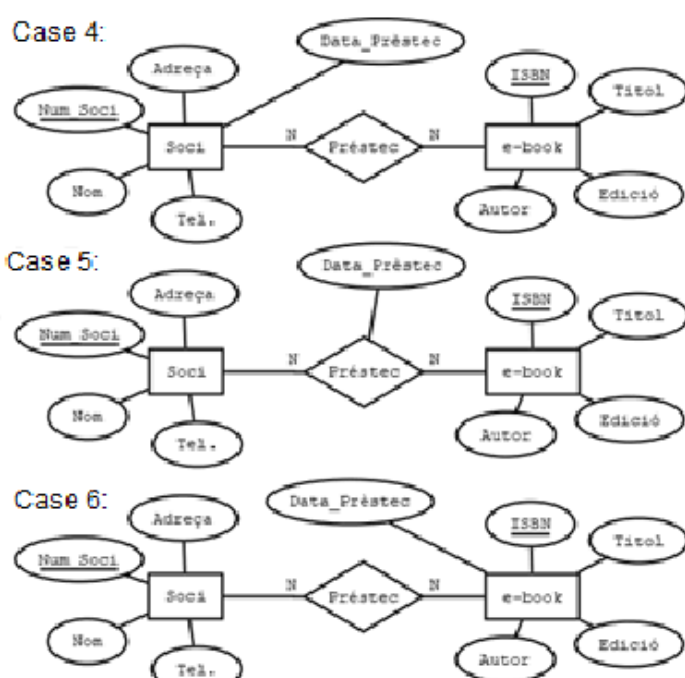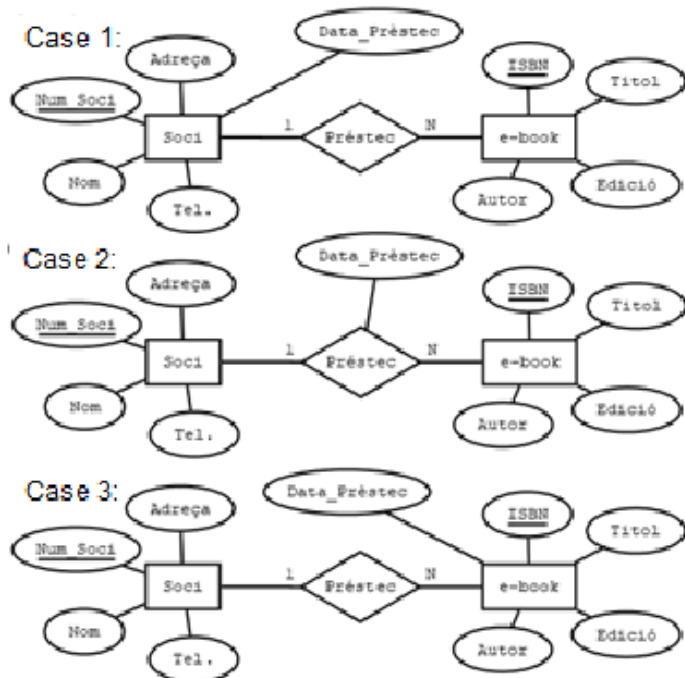# 5. Exercise for homework

With what you have learned so far, which of the ER diagrams in the figure meets the following requirements?

    (a) Record the date of the last loan in each e-book

    (b) Record the history of all the loans

Write your answers by entering "Yes" or "No" in the table.

	Record the date of the last loan in each e-book	Record the history of all the loans
Case 1	NO	NO
Case 2	YES	YES x
Case 3	YES	NO
Case 4	NO	NO
Case 5	YES	YES
Case 6	NO	NO

Are your answers valid if members were allowed to borrow the same ebook multiple times? Explain

If we look at the cardinality of the figures, we can see that there are only two possible cases: 1-N and N-N. The first one means that one soci can have more than one ebook but the ebooks cannot be shared between socis. The second has no restrictions at all with one or many socis being able to take one or many ebooks. Therefore, if one book can be borrowed multiple times, the cases in which the data_préstic is an attribute to e-book will be eliminated as the new data_prestec is entered, just like it happened before being able to borrow only one of each ebook. When the data_préstec is an attribute of Prestec or Soci it doesn't affect anything.