In-Class Exercise

November 11, 2019

Which NF(s) are the following two tables in? Normalize them, with given constraints, to 4NF, and mark all the primary keys and foreign keys.

$books(accessionno, isbn, title, author, publisher)$
$users(userid, name, deptid, deptname)$

$accessionno \rightarrow isbn$
$isbn \rightarrow title$
$isbn \rightarrow publisher$
$isbn \twoheadrightarrow author$
$userid \rightarrow name$
$userid \rightarrow deptid$
$deptid \rightarrow deptname$