* Map entity type “Building” to relation “BUILDING”.
* Map entity type “Classroom: to relation “CLASSROOM”. We use Option 8A, multiple relations with superclass and subclasses. We choice this option for all rest superclass and subclasses, if not specified.
* Map entity type “Course” to relation “COURSE”.
* Map multi-value attribute textbook and attribute course-number of entity type “COURSE” to relation “COURSE\_TEXTBOOK”.
* Map entity type “Department” to relation “Department”.
* Map entity type “Employee” to relation “EMPLOYEE”.
* Map entity type “Instructor” to relation “INSTRUCTOR”. It is an Union of Professor and Lecturer. We use their common key “net-id” as INSTRUCTOR's key.
* Map entity type “lab” to relation “LAB”.
* Map entity type “Lecturer” to relation “LECTURER”.
* Map entity type “Office” to relation “OFFICE”.
* Map entity type “People” to relation “PEOPLE”.
* Map entity type “Professor” to relation “PROFESSOR”.
* Map entity type “RA” to relation “RA”.
* Map entity type “RA Work Assignment” to relation “RA\_WORK\_ASSIGNMENT”.
* Map entity type “Room” to relation “ROOM”.
* Map entity type “Section” to relation “SECTION”.
* Map entity type “Student” to relation “STUDENT”.
* Map entity type “TA” to relation “TA”.
* Map entity type “Track” to relation “TRACK”.
* Map relationship type “Advice” among Student and Professor to relation “ADVICE”.
* Map relationship type “Assign” among Professor and Office as attributes to relation “PROFESSOR”.
* Map relationship type “Assign” among Lecturer and Office as attributes to relation “LECTURER”.
* Map relationship type “Assign” among TA and Office as attributes to relation “TA”.
* Map relationship type “Contain” among Department and Building as attributes to relation “BUILDING”.
* Map relationship type “Enroll” among Track and Student as attributes to relation “STUDENT”.
* Map relationship type “Has” among Instructor and Section as attributes to relation “SECTION”.
* Map relationship type “Has” among Section and TA to relation “SECTION\_HAS\_TA”.
* Map relationship type “Has” among Section and Classroom as attributes to relation “SECTION”.
* Map relationship type “Has” among Department and Track as attributes to relation “TRACK”.
* Map relationship type “Has core-course” among Track and Course to relation “TRACK\_CORE\_COURSE”.
* Map relationship type “Has prerequisite” among Student and Course to relation “STUDENT\_PREREQUISITE”.
* Map relationship type “Has Head” among Department and Professor as attributes to relation “DEPARTMENT”.
* Map relationship type “Hire” among Department and Professor to relation “HIRE”.
* Map relationship type “Provide” among Department and Course as attributes to relation “COURSE”.
* Map relationship type “Run” among Professor and Lab to relation “RUN”.
* Map relationship type “Take” among Student and Section to relation “TAKE”.