A Person, who is either Staff or Student can borrow one or more Books in their capacity as a member of a Library. Each Library has a count of the total number of members; each Person has a limit to the number of books they can have on loan, and each Book has a title and an indicator as to whether or not it is on loan.

Specify the following constraints using the OCL:

(a) memberCount of a Library is always equal to the number of people who are members.

(b) limit of a Person is 6 for a student member, but 12 for a staff member.

(c) onLoan of a Book is true when a person has borrowed that book.

(d) The books in a library collection can only be borrowed by members of that library.

(e) The number of books borrowed by a member can never exceed the borrowing limit.