

The employee of a company are organized in teams. Each employee is member of only one team. A team has a name and a maximum number of members. Team members may participate at different meetings organized by their company. A participant to a meeting may be organizer, speaker or ordinary participant. Each meeting has a title and is organized in a day.

a) Using UML, please specify a class diagram describing the structure modeling the above problem.

b) Using OCL, please specify appropriate invariants checking that:

- the meetings attended by team members are the same with the meetings organized by the company
- each team member does not participate at many meetings in the same day.

c) Using OCL, please specify an observer returning a team whose members participated at the largest number of meetings.