```
public boolean eventAvailability(int year, int month, int day, int hourStart, int hourFinish, Auditory
                                    │
                              auditoriums)
                                    │
                         boolean avaibility = true
                                    │
                                int i=0
                                    │
                    i<events.size() && avaibility
                   │ True                    │ False
         Event event = events.get(i)      avaibility
                   │
          event.getYear() == year
                   │ True
         event.getMonth() == month
                   │ True
           event.getDay() == day
                   │ True
  hourStart >= event.getHourStart() && hourFinish <= event.getHourFinish()
                   │ True
  ArrayList<Auditory> eventAuditoriums = event.getAuditoriums()
                   │
                int j=0
                   │
      j<auditoriums.length && avaibility
         │ True                    │ False
  eventAuditoriums.contains(auditoriums[j])        i++
         │ True              │ False
   avaibility = false
         │
        j++
```